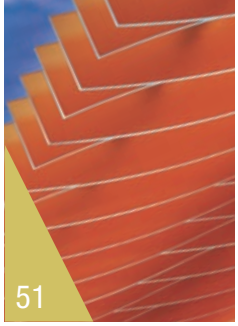


SPECIFIER'S REFERENCE

METAL
WOOD
TECTUM®
TRANSLUCENT
MINERAL FIBER
FIBERGLASS
2017-2018

Inspiring Great Spaces®

Armstrong®
CEILING & WALL SOLUTIONS













BLADES™ & BAFFLES | CLOUDS & CANOPIES | DIRECT-TO-DECK PANELS | METALWORKS™ | WOODWORKS® | TRANSLUCENT MATERIALS

A CEILING FOR EVERY SPACE® 3-4

new SUSTAIN™ PRODUCTS 5-6

TOTAL ACOUSTICS® CEILING SYSTEMS 7-8

STANDARD PRODUCTS – CUSTOM LOOKS 9-10

CUSTOM CAPABILITIES 11-12

INTEGRATED SOLUTIONS 13-14

PHOTO GALLERY 15-42

PORTFOLIO AT-A-GLANCE 43-46

Ceilings

CEILING SELECTOR 47-50

BLADES™ & BAFFLES

Acoustics Overview 51

Blades™ & Baffles At-a-Glance 53-54

Blades & Baffles – Products 55-66

CLOUDS & CANOPIES

Acoustics Overview 67

Clouds & Canopies At-a-Glance 69-70

Clouds & Canopies – Products 71-100

new DIRECT-TO-DECK PANELS

Acoustics Overview 101

Direct-to-Deck At-a-Glance 103

Direct-to-Deck – Products 104-110

METALWORKS™

Acoustics Overview 111

MetalWorks™ At-a-Glance 113-120

MetalWorks – Products 121-157

Custom MetalWorks 158-162

Ceilings (cont.)

WOODWORKS®

Acoustics Overview 163

WoodWorks® At-a-Glance 165-170

WoodWorks – Products 171-200

Custom WoodWorks 201-205

TRANSLUCENT MATERIALS

Infusions® – Products 207-210

MINERAL FIBER & FIBERGLASS

Acoustics Overview 211

Mineral Fiber & Fiberglass At-a-Glance 213-217

Mineral Fiber & Fiberglass – Products 218-325

new TECTUM® WOOD FIBER – CEMENTITIOUS

Tectum® At-a-Glance 327

Tectum – Products 328-332

new INTEGRATED CEILING SOLUTIONS

Overview 333

Integrated Ceiling Solutions At-a-Glance 335

Integrated Services 337-348

Lighting Solutions 349-356

Shade Pockets 357-364

Common Conditions 365-376

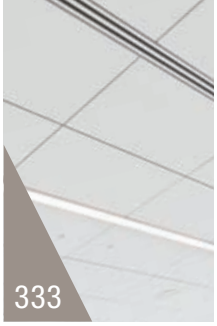
- Window & Shade Pockets
- Transitions
- Bulkheads & Soffits
- Light Coves
- Flat & Curved Drywall Grid
- Interior Glass Partitions
- Corridors



MINERAL FIBER & FIBERGLASS



TECTUM® WOOD FIBER – CEMENTITIOUS



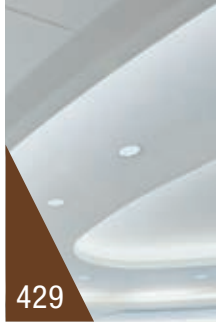
INTEGRATED SOLUTIONS



SUSPENSION SYSTEMS



TRIM & TRANSITIONS



DRYWALL SYSTEMS



WALLS

Suspension Systems

SUSPENSION SYSTEM SELECTOR 377-378

STANDARD SUSPENSION SYSTEMS

Seismic Compliant Ceilings 379
Suspension Systems At-a-Glance 381-382
Suspension Systems Products 383-401
Suspension Systems Moldings 402-404
Accessories 405-406
Interface Drawings 407-411

TRIM & TRANSITIONS

Trim & Transitions At-a-Glance 413-414
Axiom® Products 415-427

DRYWALL SYSTEMS

Drywall Grid Systems At-a-Glance 429
Drywall Grid Systems Products 430-436
Accessories 437-438

Wall Systems

WALLS

Acoustics Overview 439
Walls At-a-Glance 441-444
Tectum® Walls 445-449
Mineral Fiber & Fiberglass Walls 450-452
Wood Walls 453-458
Translucent Walls 459-460
Accessories 461-462
Custom Metal & Wood 463-464

Reference

Armstrong Ceilings Greenprint 465
Sustainability 467-468
Light Reflectance & Flexibility 469
Recycling Ceilings/Environmental Footprint 470
Acoustical Performance 471-478
IEQ – Daylight & Low Emitting 479
Durability & Cleanability 480
Sag/Humidity Resistance 481
Fire Resistance 482-485
Seismic Compliance 486-487

Item Number Index 488-494
Alphabetical Product Index 495-496
Web Tools 497
Global Support 498

We're here to help you with a broad and global portfolio of tested and true Integrated Ceiling and Wall System Solutions. Everything you need to create crisp finishes and seamless continuity for your ceiling and wall designs – from one end of your building to the other.

TABLE OF CONTENTS

Armstrong®
CEILING & WALL SOLUTIONS



CEILING FOR EVERY SPACE®

From kitchens and clean rooms to signature spaces and collaboration areas, we've got a ceiling for every space…plus the trims and transitions to take you from one end of the building to the other. Scroll through our online Ceiling for Every Space floor plans and project galleries for ideas and specific product recommendations.

Try it for yourself – visit our website.

armstrongceilings.com/everyspace

WoodWorks® Grille, Pgs. 185-190































From top left to bottom right:
Ultima® Health Zone™, Pgs. 321-324
Ultima® Health Zone™, Pgs. 321-324
WoodWorks® Torsion Spring™, Pg. 205
Ultima® Radial, Pgs. 297-298
MetalWorks™ Vector® Effects, Pgs. 125-126
SoundScapes® Shapes, Pgs. 95-98
MetalWorks™ Linear, Pgs. 131-134
MetalWorks™ Torsion Spring, Pgs. 151-155
WoodWorks® Concealed, Pgs. 183-184
SoundScapes® Shapes, Pgs. 95-98

A CEILING FOR EVERY SPACE®



Ultima® Plank with Suprafine®
9/16" suspension system in White

SUSTAIN™ [ABLE]

BETTER SPACES

The Sustain™ ceilings portfolio – able to meet today's most stringent sustainability compliance standards:

ABLE to design with healthy materials
ABLE to create quiet
ABLE to increase light
ABLE to enhance air quality
ABLE to make spaces better

Just look for the Sustain™ icon.

armstrongceilings.com/sustain
armstrongceilings.com/betterspaces

Clean
+ Simple
= Sustain™

(Free of chemicals of concern per Living Building Challenge™ Red List)

(Easy to find)

(Meet today's most stringent industry sustainability standards)

SUSTAIN™
High Performance Sustainable Ceiling Systems



Mineral Fiber / Fiberglass, Pgs. 213-324



Trim & Transitions, Pgs. 412-427



MetalWorks™, Pgs. 111-162



Suspension Systems, Pgs. 379-411



new Tectum®, Pgs. 325-332

The Sustain™ portfolio includes select Mineral Fiber/ Fiberglass, MetalWorks™, Tectum®, Suspension System, Trim and Transition products.

See page 467 for an overview or look for the Sustain™ icon on product-specific pages.

armstrongceilings.com/sustain
armstrongceilings.com/betterspaces



Ultima® with Interlude® 9/16" suspension system

CREATE QUIET

BETTER SPACES

Total Acoustics® ceilings provide the ideal combination of sound absorption and sound blocking in one ceiling system.

Sound absorption reduces noise while sound blocking keeps it from traveling into adjacent spaces.

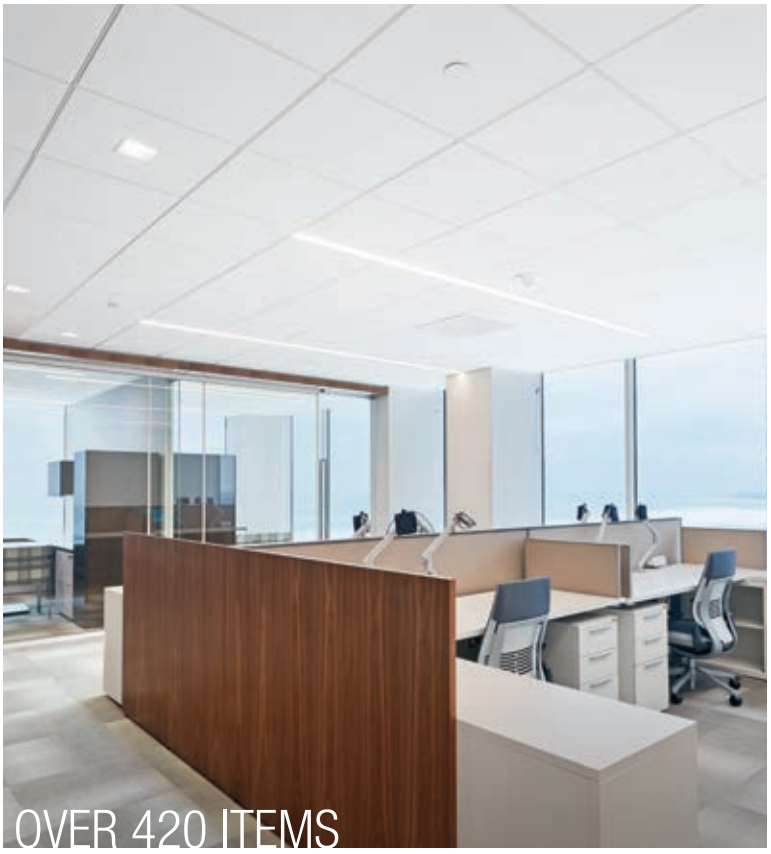
Together these attributes help you create quieter spaces – whether you are trying to reduce noise in concentration or focus spaces, creating collaborative environments, or needing to ensure confidentiality.

Total noise control & design flexibility for today and for future space reconfigurations.

armstrongceilings.com/totalacoustics

NRC ABSORB + CAC BLOCK = Total Acoustics Performance®

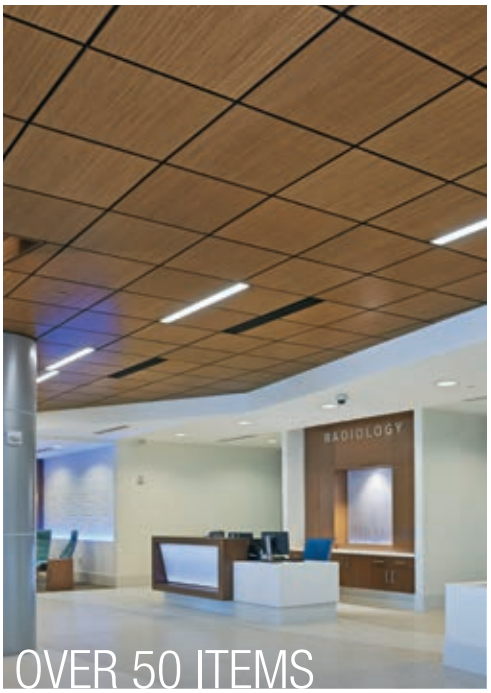
TOTAL ACOUSTICS®



Mineral Fiber, Pgs. 213-324



MetalWorks™, Pgs. 111-162



WoodWorks®, Pgs. 163-205



new Tectum®, Pgs. 325-332

The Total Acoustics® portfolio includes select Mineral Fiber, MetalWorks™, WoodWorks®, and Tectum® ceiling panels.

For an overview of Good, Better, Best choices, see page 471.



Serpentina® Classic, Pgs. 85–86

CUSTOM LOOKS
STANDARD PRODUCTS

Design with standard items in unique ways – mix and match sizes, shapes and finishes. Go for it. Re-imagine standard.

The new standard for a custom look.

armstrongceilings.com/capabilities

SIZES & SHAPES

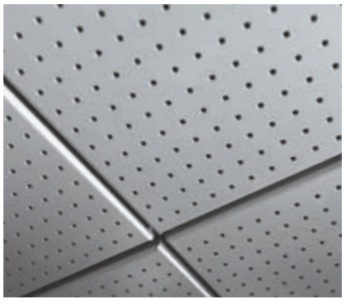


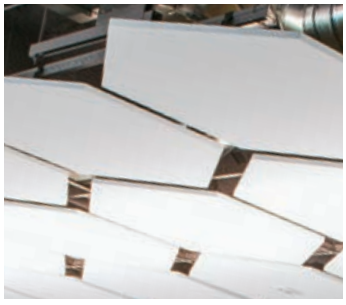


IMAGES & PERFORMANCE

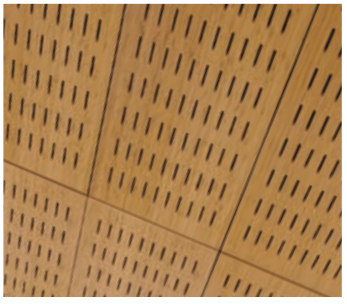


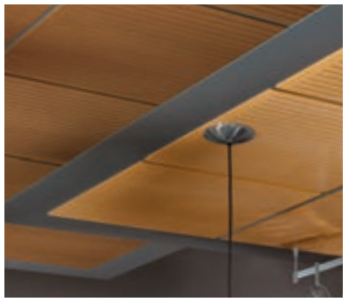
















FORMS & COLORS



MetalWorks™ Custom Louvered Panels

ONE-OF A-KIND

Collaborative design
Specifications
Budgeting and planning
Pre-construction assistance
Installation recommendations

The You Inspire™ Solutions Center can help bring your most unique, one-of-a-kind ideas to life and help create your next great space.

1 800 988 2685

you inspire™
solutions center

helping to bring your one-of-a-kind ideas to life

armstrongceilings.com/youinspire

◀ MetalWorks™ Custom Louvered Panels
▲ MetalWorks™ Torsion Spring, Pgs. 151-155
▼ WoodWorks® Grille Tegular, Pgs. 185-186







▲ WoodWorks® Grille, Pgs. 185-190
▼ MetalWorks™ RH200, Pg. 160





DETAILS MAKE THE DIFFERENCE

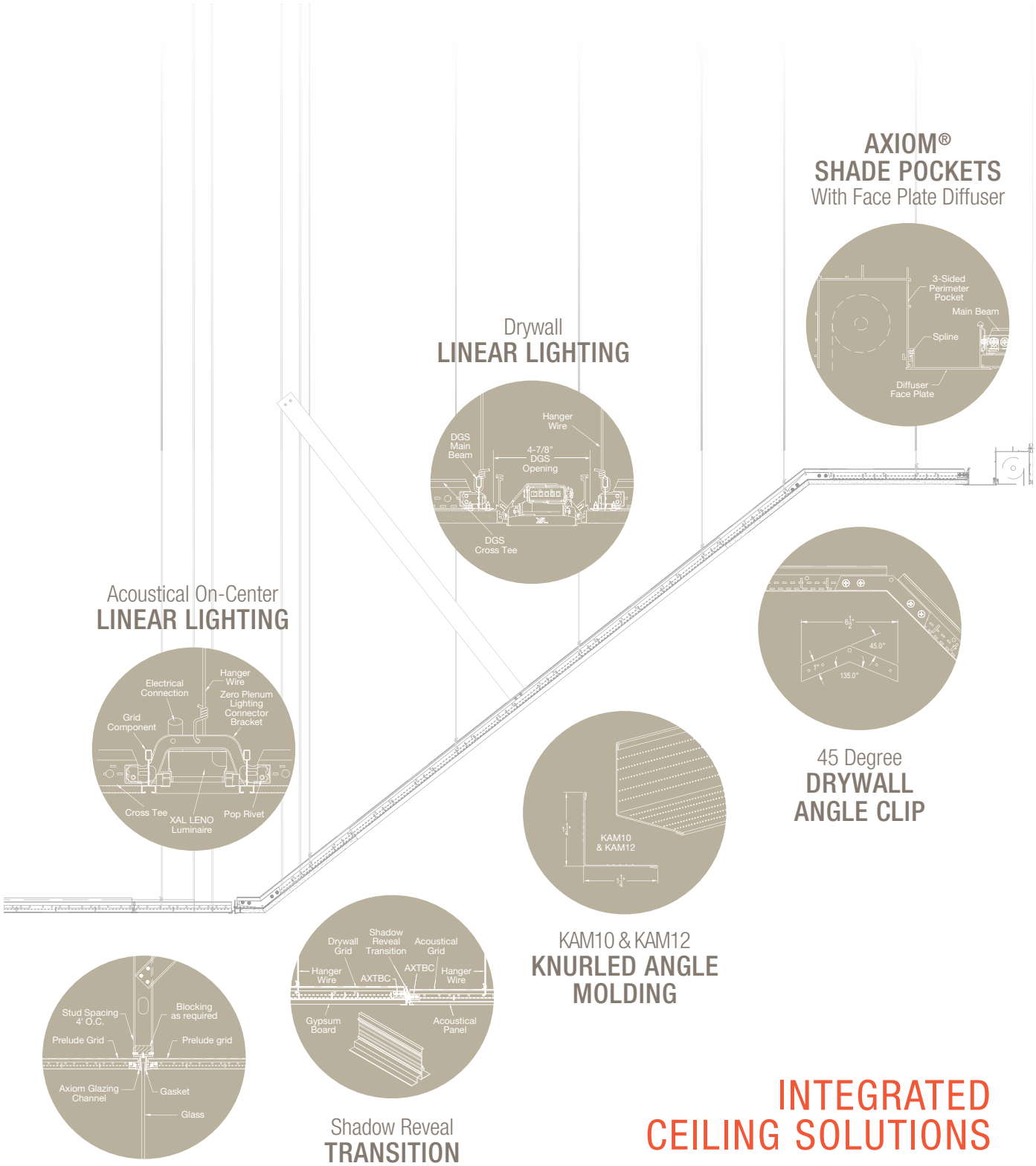
From integration of lighting, shade pockets, and air diffusers, to elevation changes, glass partitions, trims and accessories – we can help with the details that make a difference.

"The details are not the details. They make the design."

Charles Eames

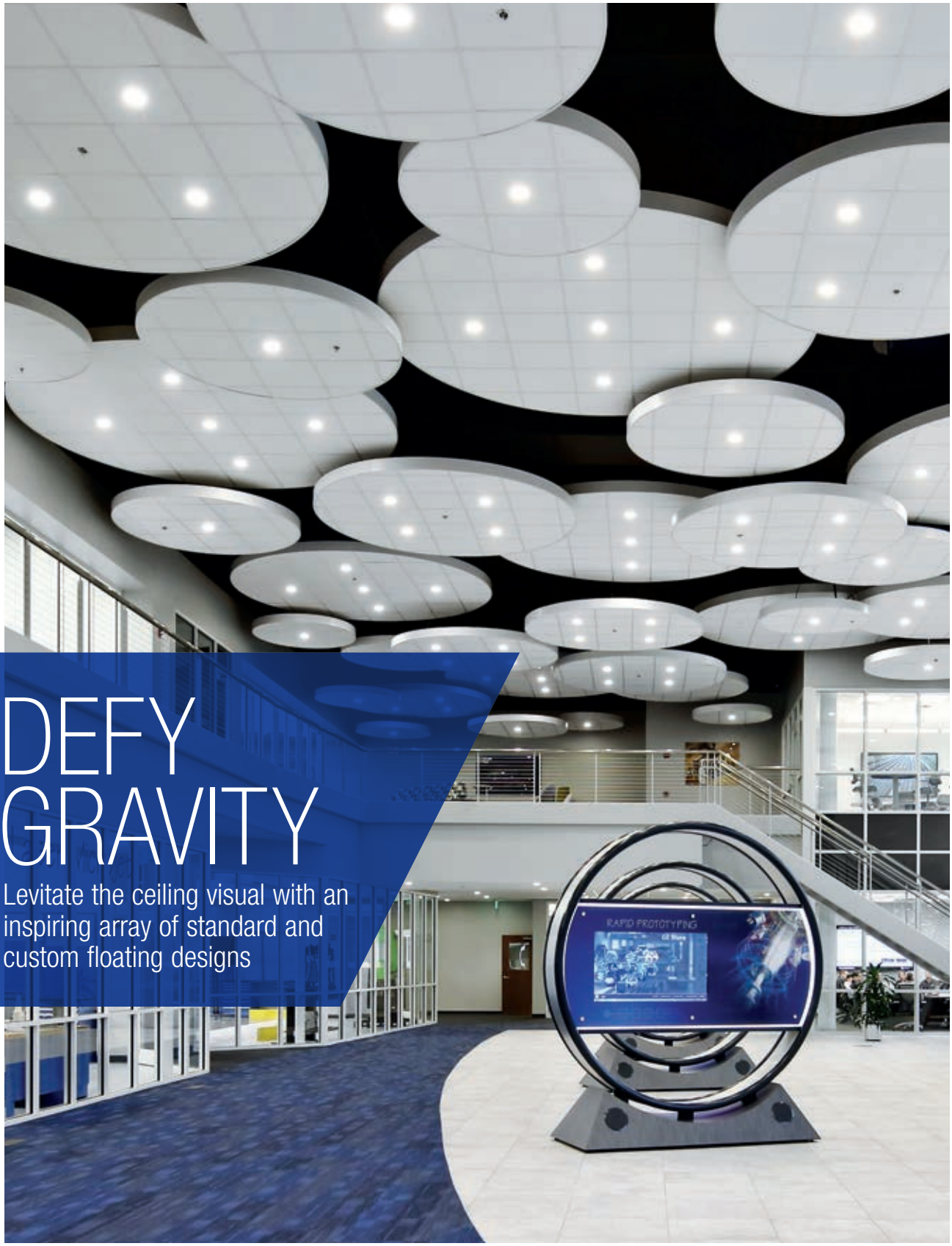
Calla®, Pgs. 221-222; Drywall Grid Systems, Pgs. 430-431
Axiom® Perimeter System Shade Pockets, Pgs. 357-362
On-center Linear Lighting, Pgs. 349-350

armstrongceilings.com/integrated



INTEGRATED CEILING SOLUTIONS

▼ Formations™ Cloud Kits with Ultima® panels
GE Advanced Manufacturing, Spartanburg, SC
MCA Marshall Clarke Architecture, Greenville, SC



DEFY GRAVITY

Levitate the ceiling visual with an inspiring array of standard and custom floating designs

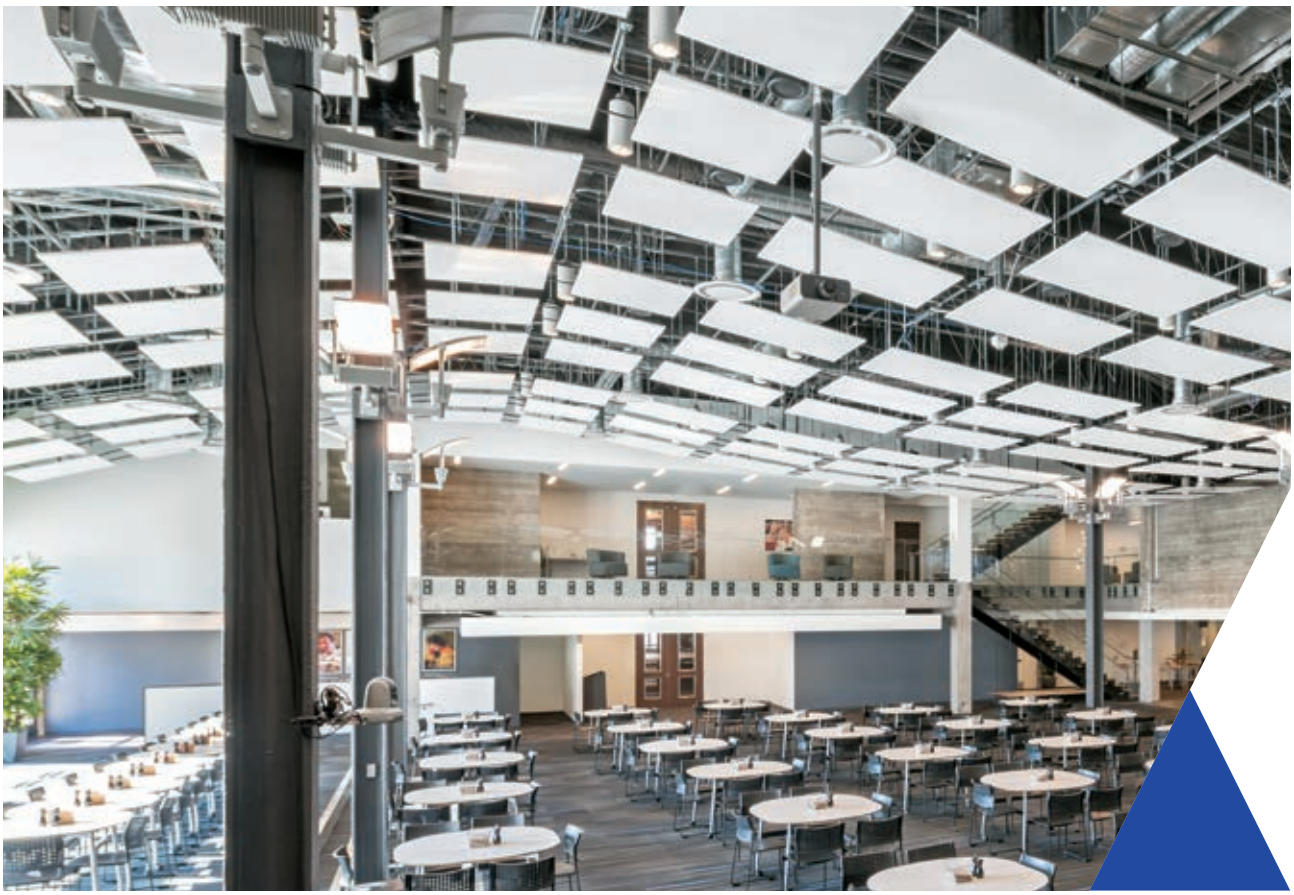


◀ WoodWorks® Radial panels in Cherry and Optima® panels
Florida Hospital Fish Memorial Chapel, Orange City, FL
HunterBrady Architects, Orlando, FL

▲ Tectum® Shapes
Salo Meeting Space, Minneapolis, MN
Alliance, Minneapolis, MN

▼ SoundScapes® Shapes Acoustical Clouds Square panels
Twitter Headquarters, San Francisco, CA
IA Interior Architects, Chicago, IL





DEFY GRAVITY



▶ Total Acoustics® Ultima® panels
Albany Park Branch Library, Chicago, IL
Jackson Harlan, LLC, Chicago, IL

▼ SoundScapes® Shapes Acoustical Clouds in Pale Lemon, Pecan, Plum, and Tangerine. MetalWorks™ Mesh™ Cascades in Natural Anodized with Suprafine® XL® suspension system
Evelyn Meador Library, Seabrook, TX
English + Associates Architects, Inc., Houston, TX



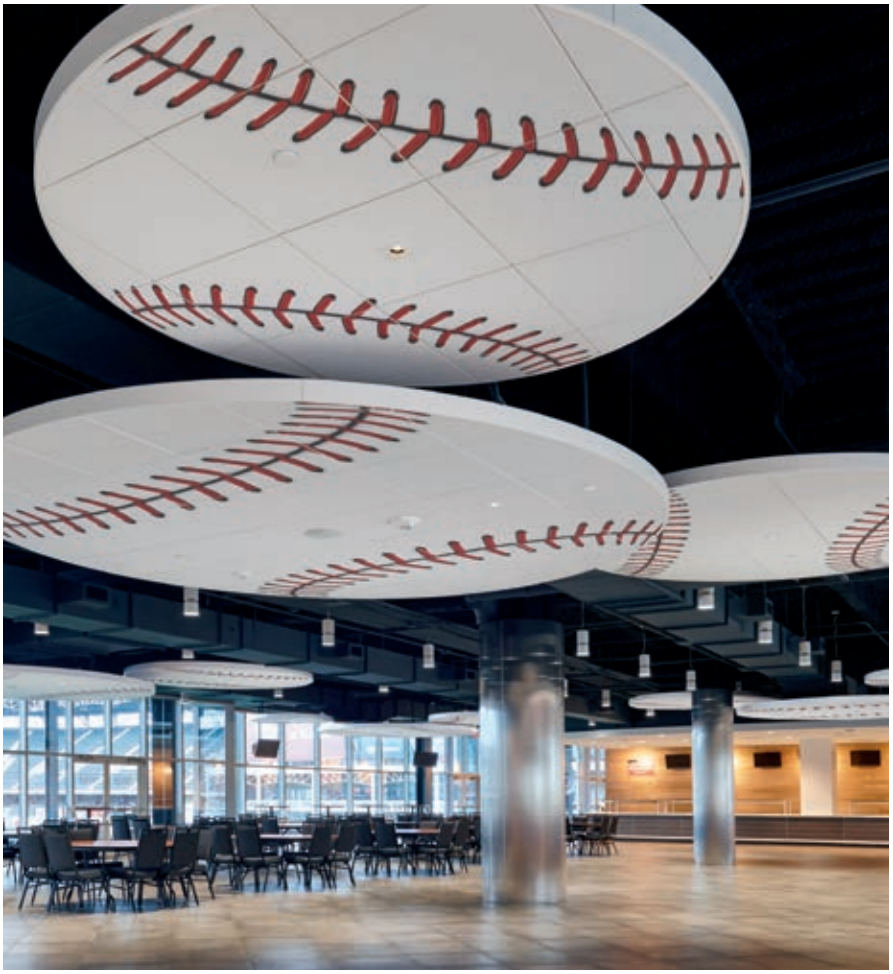
▼ SoundScapes® Shapes Acoustical Clouds
SPARK Holy Redeemer, Meadowbrook, PA
MPM Studio, Pleasantville, NJ



▼ MetalWorks™ Linear panels and Trim in Effects™ Wood Look Finish
Cleveland Institute of Art, Cleveland, OH
Stantec, Cleveland, OH







▲ Infusions® Accent Canopies in Saffron Energy and Sage Happiness
Northern Kentucky University, Highland Heights, KY
Omni Architects, Lexington, KY

◀ Optima® Create!™ Formations™ Clouds with Custom Image
Texas Rangers Stadium, Arlington, TX
Sterling Barnett Little, Inc., Arlington, TX

DEFY GRAVITY

▼ WoodWorks® Grille panels in Maple
Boston Public Library Johnson Building, Boston, MA
William Rawn Associates Architects, Boston, MA



CATCH A WAVE

Hang ten on everything from a gentle swell to the big kahuna



◀ MetalWorks™ RH215 faceted
Miami University of Ohio, Armstrong Student Center, Oxford, OH
BHDP Architecture, Columbus, OH
and William Rawn Associates

▼ MetalWorks™ Torsion Spring in Whiltelume
Alston & Bird LLP, Atlanta, GA
Carson Guest Interior Design, Atlanta, GA



CATCH A WAVE



▶ WoodWorks® Grille panels in Grille Dark Cherry
Retail Me Not Office, Austin, TX
STG Design, Austin, TX

▼ Serpentina® Classic Clouds with S500 perforation in Silver Satin
M&I Bank, Tampa, FL
Ai Collaborative, Inc., Tampa, FL



▼ Serpentina® Waves Clouds in Champaign Gold
Midtown Apartments, Charleston, SC
Haute Design, Charleston, SC

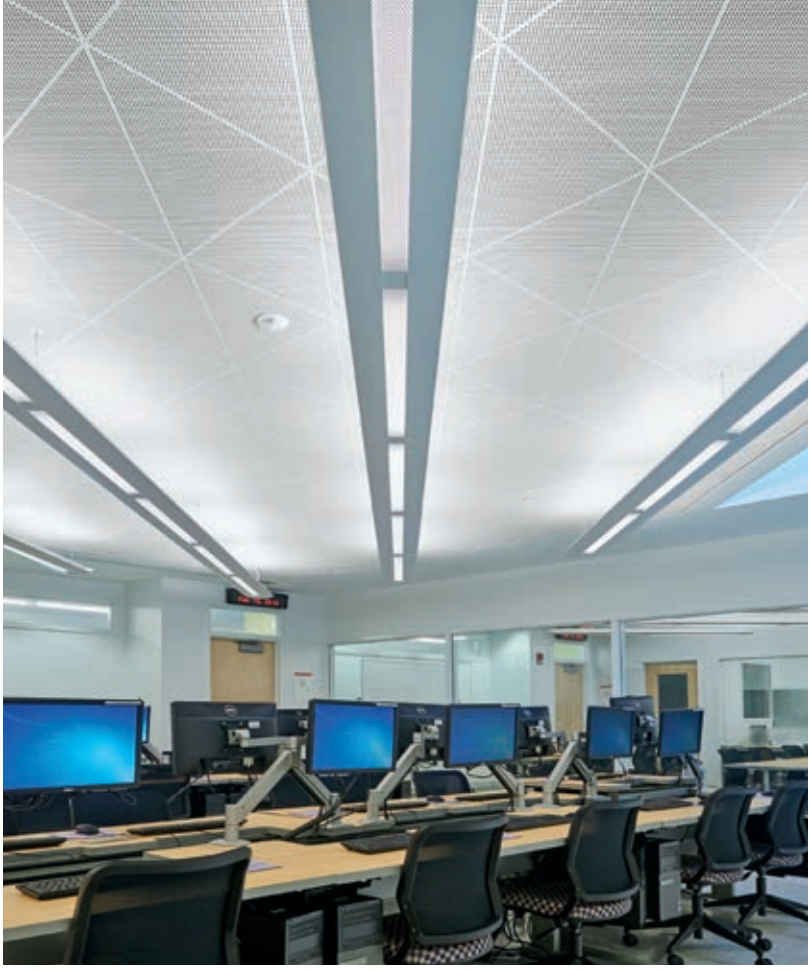


▼ Custom MetalWorks™ Torsion Spring Ceilings with Custom Infusions® Infill panels
Etihad Airways Lounge at JFK International Airport, New York City, NY
Gensler



BOLD GEOMETRICS

Transform the look and feel of a room with geometric patterns



◀ MetalWorks™ Torsion Spring panels
Bioscience Education Center Montgomery College
Germantown, MD
The Lukmire Partnership, Arlington, VA

▲ Tectum® Lay-in panels
Sea Star Restaurant, Seattle, WA

▼ MetalWorks™ 3D panels
Arlington Lexus, Arlington Heights, IL
Lew Neuman, Indianapolis, IL





BOLD GEOMETRICS



▶ MetalWorks™ Torsion Spring panels
custom perforated in Silver Grey
Kettle Moraine School District, Delafield, WI
Eppstein Uhen Arch., Milwaukee/Madison, WI

▼ Formations™ Acoustical Accent Clouds with Ultima® panels
GE Advanced Manufacturing, Spartanburg, SC
MCA Marshall Clarke Architecture, Greenville, SC



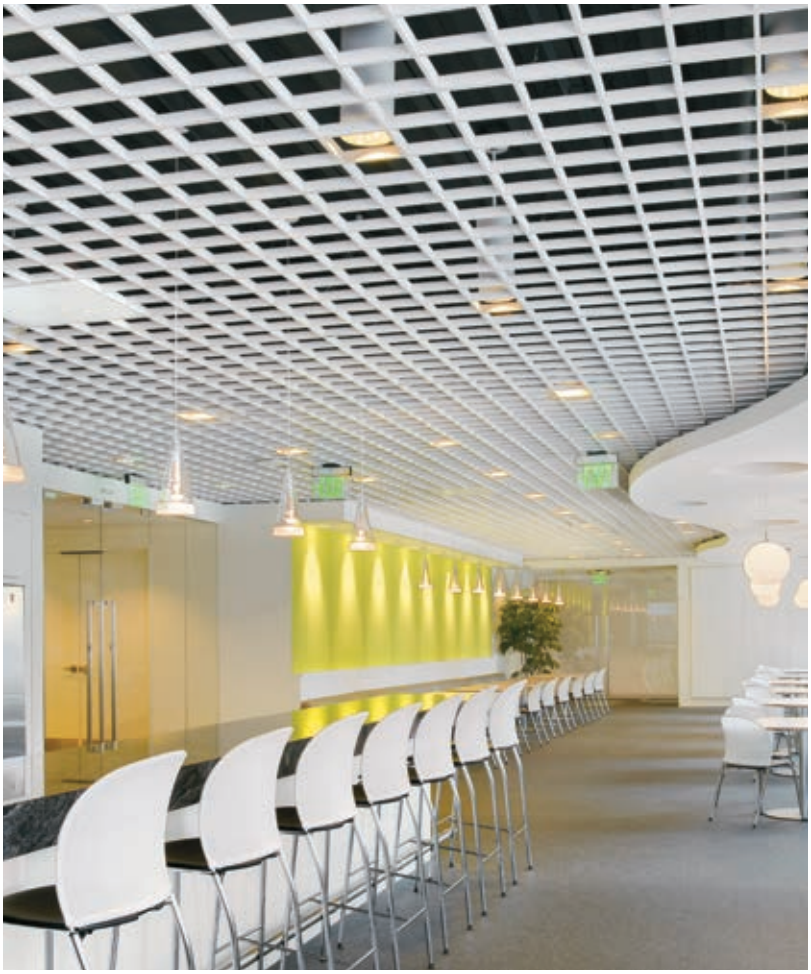
▼ MetalWorks™ RH215 panels
NOAA AOC Aircraft Engineering Services Building, Kansas City, MO
Burns & McDonnell Architects, Kansas City, MO



▼ MetalWorks™ Tegular panels in Effects™ Maple with Suprafine® 9/16" suspension system and Axiom Classic 6" trim in Pecan
SPARK Holy Redeemer, Meadowbrook, PA
MPM Studio, Pleasantville, NJ







▲ SoundScapes® Shapes Trapazoid Acoustical Clouds
University of North Texas Student Union, Denton, TX
Perkins + Will, Atlanta, GA & Dallas, TX

◀ MetalWorks™ Open Cell Lay-in panels
American Society of Clinical Oncology, Alexandria, VA
Leo A Daly, Washington DC

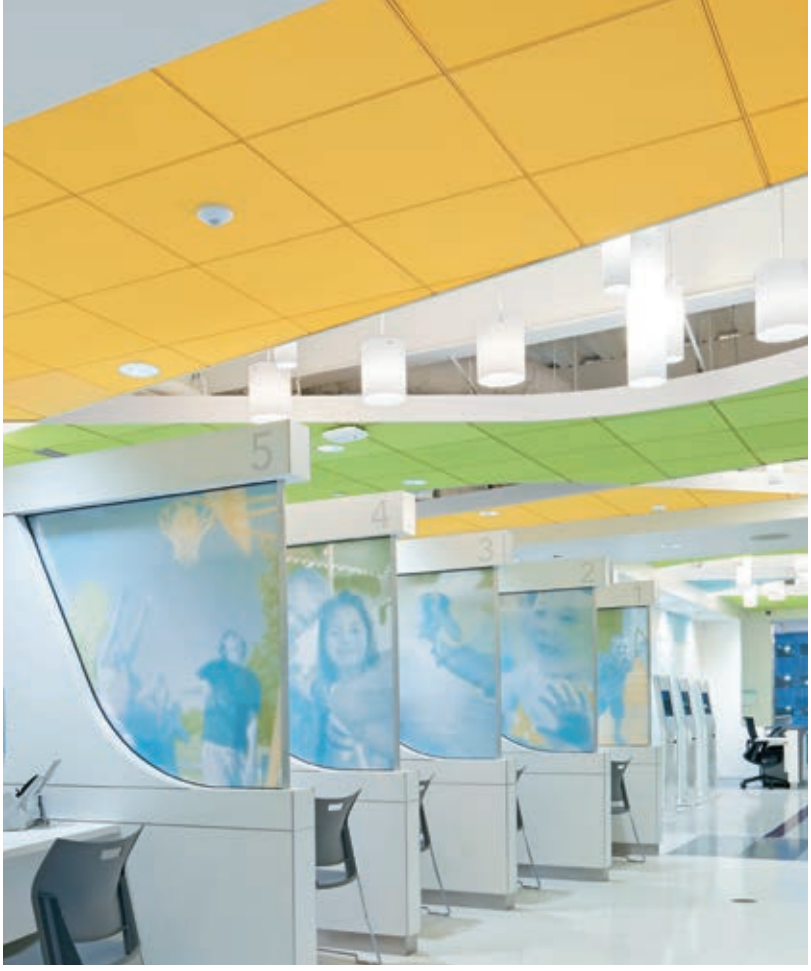
BOLD GEOMETRICS

▼ Infusions® Blades™ – Concepts panels in Refined Lagoon
Mecklenburg Aquatic Center, Charlotte, NC
LS3P Associates, LTD, Charlotte, NC



A SPLASH OF COLOR

Use our innite palette of standard and custom colors to bring your ideas to life with flying colors



◀ Calla® Colorations® panels in custom colors
St. Christopher's Hospital, Philadelphia, PA
Ewing Cole, Philadelphia, PA

▲ Tectum® Shapes in custom colors
Salo Meeting Space Minneapolis, MN
Alliance, Minneapolis, MN

▼ MetalWorks™ DH700 Custom Faceted Ceiling
Microperforated in custom colors
Lyman Elementary School, Lyman, SC
McMillan Pazdan Smith, Spartanburg, SC





A SPLASH OF COLOR



▶ Infusions® Blades – Concepts™ panels
Arlington Lexus, Arlington Heights, IL
Lew Neuman, Indianapolis, ILI

▼ SoundScapes® Blades™ panels in custom colors
Frankie's Fun Park, Raleigh, NC
ADW Architects, P.A., Charlotte, NC



▼ Serpentina® Semi-Concealed in custom color
CDW Corporation, Vernon Hills, IL
Partners by Design, Inc., Chicago, IL



▼ MetalWorks™ Torsion Spring panels in custom colors
Berklee Music Student Center, Boston, MA
William Rawn Associates Architects, Inc., Boston, MA









▲ MetalWorks™ RH215 Custom Plank
in custom RAL 7024 finish
Club Nokia at LA Live!, Los Angeles, CA
GenslerX

▼ Tectum® Direct-Attach wall panels
Lincoln Elementary School, Augusta, KS

◀ Infusions® Canopies in Blue Iris
SPARK Holy Redeemer, Meadowbrook, PA
MPM Studio, Pleasantville, NJ

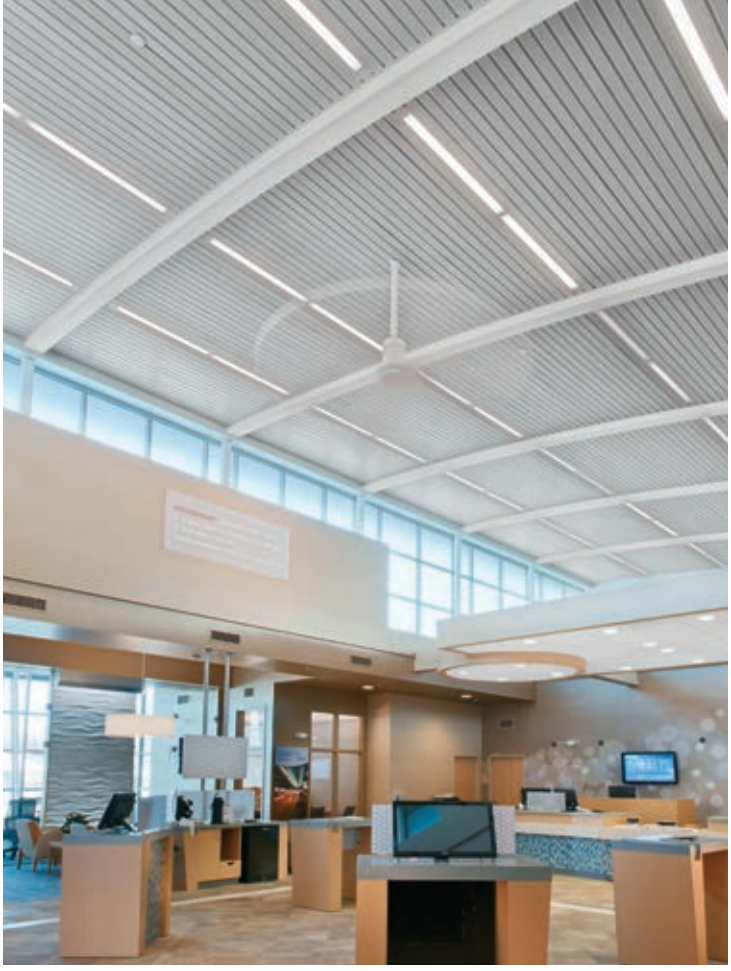
A SPLASH OF COLOR

▼ WoodWorks® Custom Tegular 12" x 48" panels in Natural Variations Maple, and Prelude® XL® 15/16" suspension system in Silver Grey
TCU Rees-Jones Hall, Fort Worth, TX
Hahnfeld Hoffer Stanford, Fort Worth, TX



STRAIGHT & NARROW

Take a straightforward approach for contemporary linear looks



◀ MetalWorks™ Linear Faceted panels in Silver Gray
Empower Credit Union, Allis, WI
Haag Müller, Inc., Port Washington, WI

▲ Tectum® Direct-Attach panels
After Hours Pediatric, Albuquerque, NM

▼ MetalWorks™ RH200 Custom Plank
Tulsa International Airport, Tulsa, OK
The Benham Group, Tulsa, OK



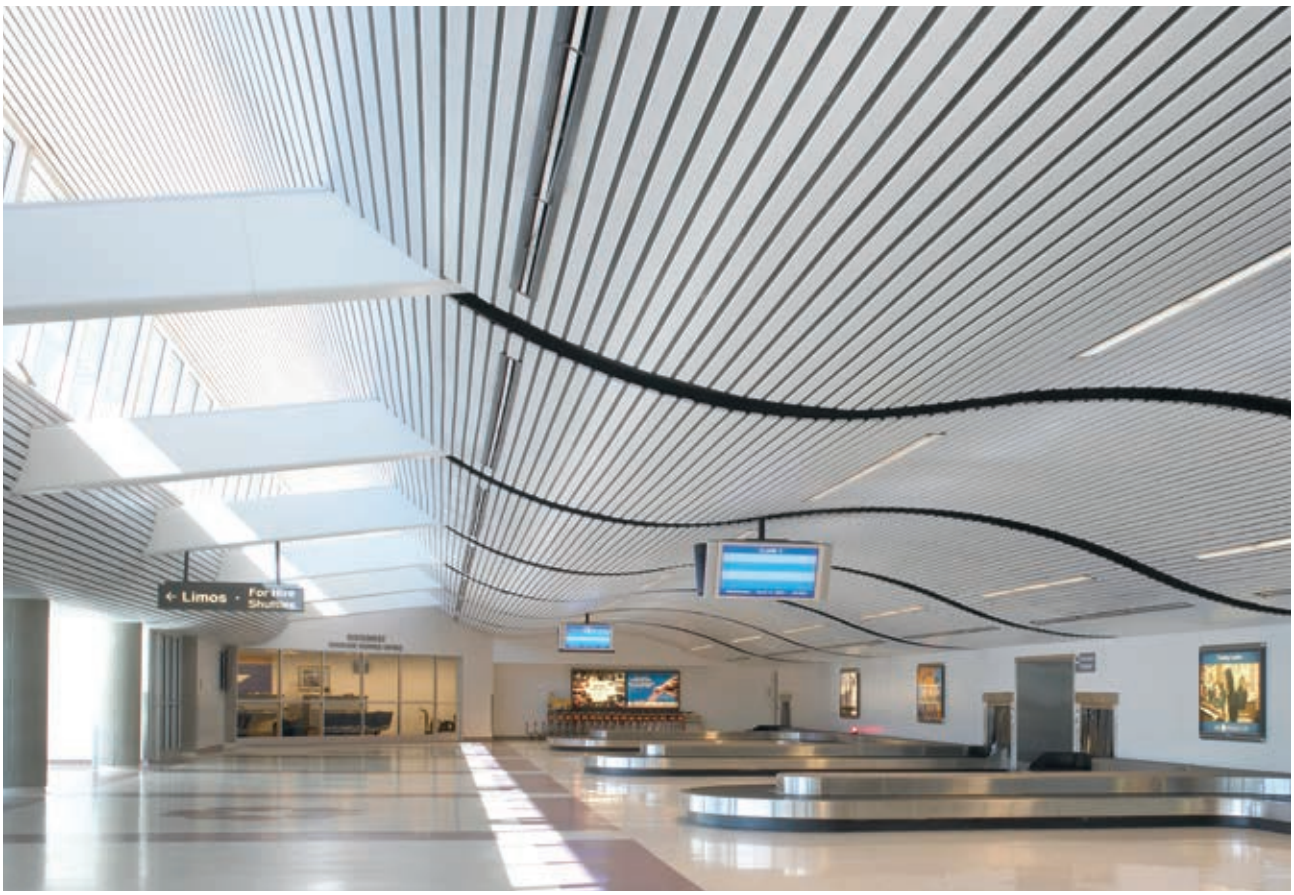


STRAIGHT & NARROW

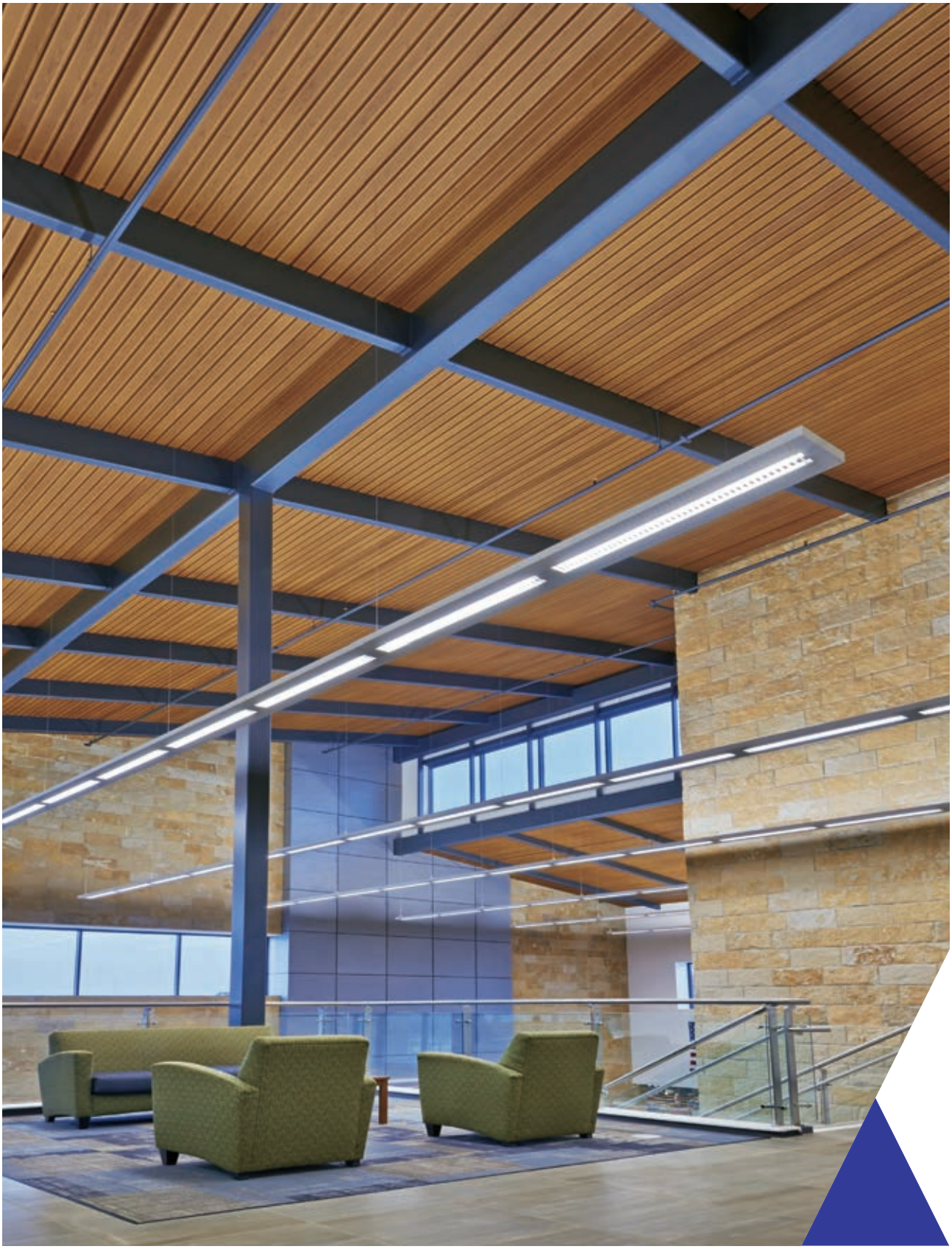


▶ MetalWorks™ Linear Striated panels in Effects™ Walnut Espresso with Silver Grey Reveal
HNTB Office, Atlanta, GA
HNTB, Atlanta GA

▼ MetalWorks™ Linear Contrasts panels Perforated and Unperforated
Dallas Love Field Airport, Dallas, TX
CH2M Hill, Dallas, TX



▼ MetalWorks™ Linear panels in Effects™ Light Cherry
Weatherford College Wise County Campus, Decatur, TX
VLK Architects, Houston, TX



▼ MetalWorks™ Linear panels in Effects™ Walnut with MetalWorks trim 6" in Effects™ Walnut
Cleveland Institute of Art, Cleveland, OH
Stantec, Philadelphia, PA







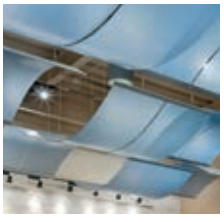
▲ MetalWorks™ RH200 Custom Plank in Gun Metal Grey
Seattle Justice Center, Seattle, WA
NBBJ, Seattle, WA

◀ WoodWorks® Grille panels in Grille Walnut
Fossil Headquarters, Richardson, TX
Corgan, Dallas, TX

STRAIGHT & NARROW

PRODUCT PORTFOLIO AT-A-GLANCE

CEILINGS

	BAFFLES & BLADES™	CANOPIES	CLOUDS	DIRECT-TO-DECK
METAL	 METALWORKS™ Blades™ Pgs. 56-58	 METALWORKS™ Canopies armstrongceilings.com/metalworks	 SERPENTINA® Waves Pgs. 91-94	 METALWORKS™ Capz™ Pgs. 106-108
WOOD		 WOODWORKS® Canopies Pg. 100	 WOODWORKS Custom Clouds Pgs. 202-205	
MINERAL FIBER	 SOUNDSOAK® Baffles Pg. 65	 SOUNDSCAPES® Canopies Pgs. 93-94	 FORMATIONS™ Clouds Pgs. 71-82	
FIBERGLASS	 SOUNDSCAPES® Blades™ Pgs. 59-64		 SOUNDSCAPES® Shapes Pgs. 95-98	 SOUNDSCAPES® Shapes Pgs. 95-98
TECTUM® WOOD FIBER – CEMENTITIOUS	 new TECTUM® Blades™ Pg. 66		 new TECTUM® Shapes Pg. 99	 new TECTUM® Direct-Attach Pgs. 107-110
TRANSLUCENT MATERIALS	 INFUSIONS® Blades Pg. 55	 INFUSIONS® Canopies Pg. 83	 INFUSIONS® Shapes Pg. 84	

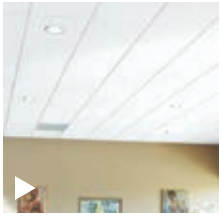
STANDARD 2' X 2' PANELS



METALWORKS™ Tegular
Pgs. 121-124



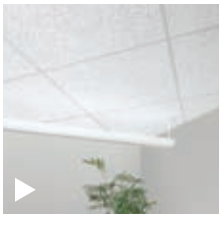
WOODWORKS® Tegular
Pgs. 171-174



CALLA®
Pgs. 221-222



LYRA™ Tegular
Pgs. 273-276



TECTUM® Lay-in Panels
Pgs. 329-330



INFUSIONS® Panels
Pgs. 207-210

VECTOR®/ CONCEALED



METALWORKS™ Vector®
Pgs. 125-126



WOODWORKS® Concealed
Pgs. 183-184



ULTIMA® Vector®
Pgs. 319-320



OPTIMA® Concealed
Pgs. 293-294

NON-STANDARD & CUSTOM SIZES



METALWORKS Custom
Pgs. 159-162



WOODWORKS Custom
Pgs. 202-205



ULTIMA® Create!™
Pgs. 245-247



OPTIMA Non-Standard Size
Pgs. 283-290



TECTUM® Concealed Custom
Pgs. 331-332



INFUSIONS Custom Panels
Pgs. 207-210

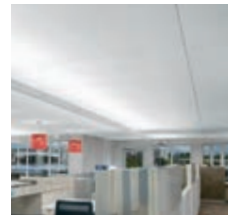
PLANKS



METALWORKS Linear
Pgs. 131-134



WOODWORKS Linear
Pgs. 191-196



ULTIMA Plank
Pgs. 311-318



OPTIMA Plank
Pgs. 283-290



TECTUM® Planks
Pgs. 331-332

RADIAL/ TRAPEZOID SHAPES



METALWORKS Radial
Pg. 160

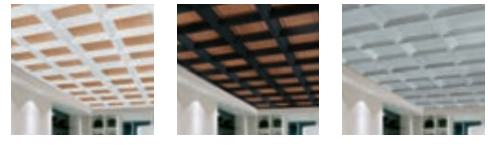


WOODWORKS Radial
Pg. 203



OPTIMA Radial
Pgs. 297-298

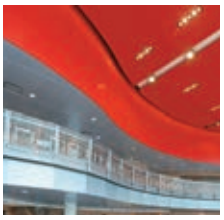
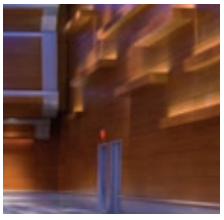
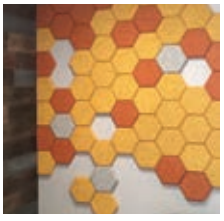
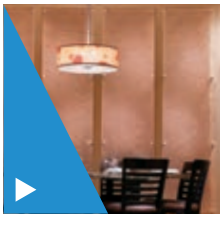
COFFERS



METAPHORS® Coffers with Translucent, Metal, and Mineral Fiber Panels
Pgs. 281-282

PRODUCT PORTFOLIO AT-A-GLANCE

WALLS

	STANDARD WALLS	CUSTOM WALLS
METAL		 Custom Metal Walls Pg. 463
WOOD	 WOODWORKS® Standard Walls Pgs. 453-454	 WOODWORKS® Custom Walls Pg. 464
MINERAL FIBER & FIBERGLASS	 SOUNDSOAK® Standard Walls Pg. 450	 SOUNDSOAK® Custom Walls Pg. 451
TECTUM® WOOD FIBER – CEMENTITIOUS	 new TECTUM® Direct-Attach Walls Pgs. 445-446	 new TECTUM® Fabric Walls Pg. 448
TECTUM® WOOD FIBER – CEMENTITIOUS		 new TECTUM® Panel® Art Pg. 449
TRANSLUCENT MATERIALS	 INFUSIONS™ Walls Pg. 460	

INTEGRATED SOLUTIONS

SERVICES



TECHZONE® Ceiling Systems
Pgs. 337-344



Data Centers
Pgs. 347-348



DC FLEXZONE™
Pgs. 345-346

LIGHTING – LINEAR



TECHZONE® Linear Lighting
Pg. 344



Acoustical On-Center Lighting
Pg. 349



Drywall Linear Lighting
Pg. 350

LIGHTING – COVE



Light Coves with AXIOM® Trim – Direct
Pg. 355



new Light Coves with AXIOM® Trim – Indirect
Pg. 356

LIGHTING – DOWNLIGHTS



new Intersection Downlighting
Pgs. 353-354

SHADE POCKETS



Shade Pockets – AXIOM® Building Perimeter Systems
Pgs. 357-362



new Shade Pockets – AXIOM® Building Perimeter Systems (Lutron®-compatible)
Pgs. 363-364

COMMON BUILDING CONDITIONS



Windows & Shade Pockets
Pg. 366



Bulkheads & Soffits
Pg. 370



Flat & Curved Drywall
Pg. 373



Corridors
Pg. 375-376



Transitions
Pgs. 367-369



Light Coves & Pockets
Pgs. 371-372



Interior Glass Partitions
Pg. 374

CEILING SYSTEMS SELECTOR – SPECIALTY CEILING SYSTEMS

Look for this icon indicating new products or new additions to product families. Visit our website for details.

Product information listed in this chart pertains to general product families and may not apply to each individual product item. Before specifying or purchasing products, consult product details at www.armstrongceilings.com.

			PANEL SIZE														SUSPENSION SYSTEM FACE			EDGE PROFILE					
		Page No.	12" x 12"	12" x 24"	12" x 48"	12" x 60"	12" x 72"	20" x 60"	24" x 24"	24" x 48"	24" x 60"	24" x 72"	24" x 96"	30" x 30"	48" x 48"	Other Sizes/Shapes	Concealed/Vector	9/16"	15/16"	Square Lay-in	Square Tegular	Angled Tegular	Beveled Tegular	Vector®	Other Edge Profiles
VERTICAL ELEMENTS	INFUSIONS® Blades – Concepts™	55														•									
	METALWORKS™ Blades – Concepts™/Classics™ new	56-58														•									
	SOUNDSCAPES® Blades™	59-64														•									
	SOUNDSOAK® Baffles	65								•						•									
	TECTUM® Blades™ & Baffles new	66														•				•					•
CANOPIES & CLOUDS	FORMATIONS™	71-82							•	•		•	•			•	•	•	•	•	•		•	•	
	INFUSIONS® Canopies	83									•	•				•									
	INFUSIONS® Shapes	84													•	•									
	SERPENTINA® Classic/Waves/Vault	85-92							•	•		•	•			•									
	SOUNDSCAPES® Canopies	93-94														•									•
	SOUNDSCAPES® Shapes	95-98													•	•									•
	TECTUM® Clouds new	99														•				•					•
	WOODWORKS® Canopies	100														•									
DIRECT-TO-DECK	CAPZ™	104-106								•	•	•	•		•	•			•	•					•
	TECTUM® Direct-Attach new	107-108									•		•			•				•	•				
	TECTUM® Finale new	109														•									
	TECTUM® Panel Art new	110														•				•					
METALWORKS	METALWORKS™ Tegular	121-124							•									•	•		•				•
	METALWORKS™ Vector®	125-126							•										•					•	
	METALWORKS™ Clip-on	127-128							•	•						•			•						•
	METALWORKS™ Concealed	129-130											•		•	•			•						•
	METALWORKS™ Linear new	131-134														•									•
	METALWORKS™ Mesh™ new	135-138							•										•						•
	METALWORKS™ Open Cell	139-140							•							•		•		•					
	METALWORKS™ Plank	141-142														•									•
	METALWORKS™ SecureLock™	143-144							•										•						
	METALWORKS™ Snap-in	145-146			•				•	•				•					•						
	METALWORKS™ 3D	147-148							•									•			•				
	METALWORKS™ Tin	149-150							•	•								•	•	•	•				•
	METALWORKS™ Torsion Spring	151-155							•	•		•	•	•		•			•						•
WOODWOORKS	WOODWORKS® Tegular	171-174			•		•		•	•		•		•		•		•			•				
	WOODWORKS® Vector®	175-176			•				•	•									•					•	
	WOODWORKS® Channeled	177-182			•				•	•				•		•		•	•					•	•
	WOODWORKS® Concealed	183-184								•		•	•			•	•		•						•
	WOODWORKS® Grille	185-190							•	•						•		•	•		•				
	WOODWORKS® Linear	191-196														•			•						•
	WOODWORKS® Open Cell	197-198							•	•						•			•					•	

Armstrong products are sold subject to limited warranties; general warranty information is available at armstrongceilings.com/warranty. Full copies of the applicable warranty are available by calling 1 877 276-7876.

TEXTURE				VISUAL			COLOR			SUBSTRATE							PERFORMANCE CRITERIA																	
																								Maintainability			Durability							
Fine	Medium	Coarse	Smooth	Panels	Planks	Cloud/Canopy	White	Tech Black	Other Colors/Finishes	Mineral Fiber	Fiberglass	Wood Fiber – Cementitous	Metal	Wood	BioAcoustic™	Translucent	High Acoustical	Fire Performance	High Light Reflectance	BioBlock/Inherent	Sag Resistance	Certified Low VOC	EPD Available	Soil Resistance	Scrubbability	Washability	Water-Repellent	Scratch Resistance	Impact Resistance	Exterior	Recycle Program	High Recycled Content	Ceiling-2-Ceiling™	10-Year Availability
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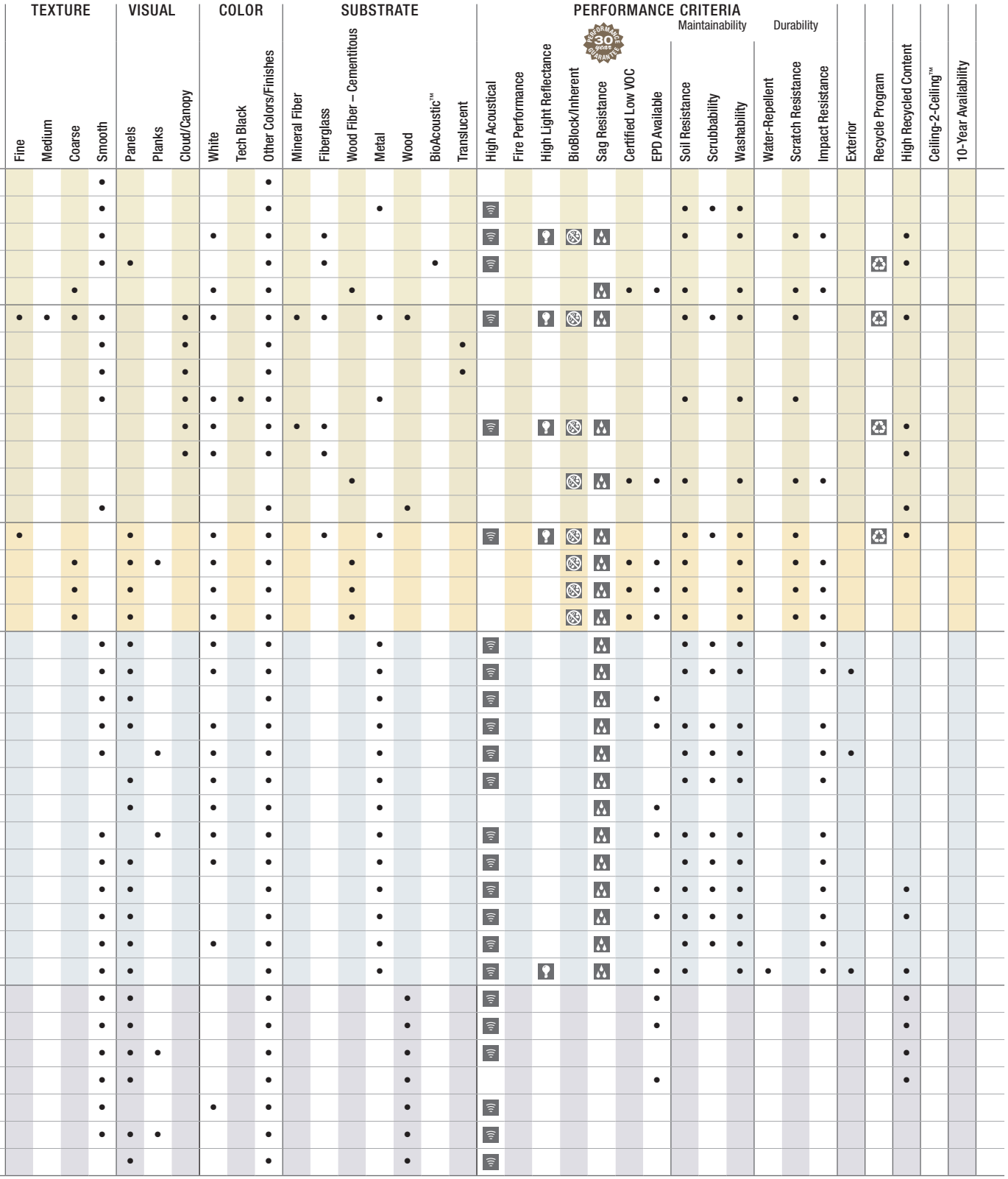

Acoustical Performance
High Acoustical Performance

Fire Performance
Fire Guard™ Fire Resistive L - Local

Light Reflectance
High Light Reflectance

HumiGuard® Humidity Resistance
Sag Resistance S - Standard
4 drops / HumiGuard Max
3 drops / HumiGuard Plus

Anti-Microbial Protection
BioBlock® inhibits or retards growth of mold and mildew

Durability
- Soil Resistance
- Scrubbability
- Washability
- Scratch Resistance
- Impact Resistance

Recycling
Part of Armstrong Recycling Program

Post-consumer recycled content is from reclaimed ceilings

CEILING SYSTEMS SELECTOR – CEILING PANELS

Look for this icon indicating new products or new additions to product families. Visit our website for details.

Product information listed in this chart pertains to general product families and may not apply to each individual product item. Before specifying or purchasing products, consult product details at www.armstrongceilings.com.

			PANEL SIZE														SUSPENSION SYSTEM FACE			EDGE PROFILE						TEXTURE			
		Page No.	12" x 12"	12" x 24"	12" x 48"	12" x 60"	12" x 72"	20" x 60"	24" x 24"	24" x 48"	24" x 60"	24" x 72"	24" x 96"	30" x 30"	48" x 48"	Other Sizes/Shapes	Concealed/Vector	9/16"	15/16"	Square Lay-in	Square Tegular	Angled Tegular	Beveled Tegular	Vector®	Other Edge Profiles	Fine	Medium	Coarse	Smooth
MINERAL FIBER & FIBERGLASS	ARMATUFF®	218							•	•						•			•	•							•	•
	CALLA™	221-222							•	•						•		•	•	•	•								•
	CANYON® new	223-224							•	•										•			•						•
	CERAMAGUARD®/CERAMAGUARD® FINE FISSURED™	225-226							•	•									•	•							•		
	CIRRUS®/CIRRUS® High NRC	227-232							•	•						•		•	•	•		•	•				•		
	CIRRUS Profiles	233-234							•									•	•				•		•		•		
	CIRRUS® Second Look®	235-236								•								•	•				•				•		
	CIRRUS® Themes™	237-238							•									•	•			•	•				•		
	Clean Room™ FL/VL/VL	239-240							•	•						•			•	•									•
	CORTEGA®/CORTEGA® Second Look®	243-244						•	•	•	•					•		•	•	•		•	•				•		
	CREATE!™	245-247							•									•	•	•			•	•		•			
	DESIGNER™	248							•	•									•	•		•						•	
	DUNE™/DUNE™ Second Look®	249-252						•	•	•				•		•		•	•	•		•	•			•			
	FINE FISSURED™/FINE FISSURED™ High NRC	254-260	•					•	•	•	•					•	•	•	•	•		•	•				•		
	FINE FISSURED™ Second Look®	261								•								•	•			•					•		
	FISSURED™	262							•	•						•			•	•		•					•		
	GEORGIAN™/GEORGIAN™ High Washability	263-264							•	•						•		•	•	•			•				•		
	GRAPHIS® Finetex™/Rustex™	265-266							•									•	•				•		•	•		•	
	KITCHEN ZONE™	267-268							•	•									•	•									•
	LEDGES®	269-270							•									•	•						•				•
	LYRA® PB/LYRA® PB High CAC	271-276			•				•	•	•	•	•	•	•	•		•	•	•	•								•
	LYRA® Concealed new	277-278								•		•	•	•	•	•			•							•				•
	MESA™/MESA™ Second Look®	279-280							•	•						•		•	•	•		•	•			•			
	METAPHORS® Coffers	281-282							•									•	•	•	•		•						
	OPTIMA®/OPTIMA® PB	283-290						•	•	•	•	•	•	•	•	•		•	•	•	•					•			
	OPTIMA® Concealed new	293-294								•		•	•	•	•	•			•							•	•			
	OPTIMA® Vector®	291-292		•					•	•		•	•	•	•	•	•		•						•		•			
	OPTIMA® Health Zone™	295-296							•	•						•		•	•	•	•					•			
	PAINTED NUBBY™	299-300							•	•						•		•	•	•	•						•		
	PEBBLE™	301-302							•	•	•					•			•	•							•		
	RANDOM FISSURED™	303							•	•						•			•	•							•		
	SHASTA®	304							•	•						•			•	•							•		
	School Zone® FINE FISSURED™	305-306							•	•								•	•	•		•	•				•		
	School Zone® GEORGIAN™	305-306							•	•									•	•							•		
	TINCRAFT™	307-308							•									•	•						•				•
	TUNDRA®	309-310							•	•						•		•	•	•			•				•		
	ULTIMA®/ULTIMA® High NRC	311-318		•	•	•	•		•	•	•	•		•		•		•	•	•			•			•			
	ULTIMA® Vector®	319-320		•					•							•	•		•					•		•			
	ULTIMA® Health Zone™/ULTIMA® Health Zone™ High NRC	321-324							•	•								•	•	•			•			•			
TECTUM® WOOD FIBER – CEMENTITIOUS	TECTUM® Lay-in new	329-330							•											•								•	
	TECTUM® Tegular new	331-332							•												•							•	
	TECTUM® Concealed new	328														•	•			•								•	
TRANSLUCENT	INFUSIONS® Translucent Panels	207-210			•				•	•		•						•	•	•						•			

Armstrong 30-Year System Performance Guarantee – find product warranties at armstrongceilings.com/warranty

- Armstrong HumiGuard® ceiling systems will resist visible sag
- Armstrong BioBlock® ceiling systems will resist the growth of mold and mildew

This guarantee also applies to Armstrong ceiling products that are formulated to inherently resist the growth of micro-organisms: Ceramaguard, Optima, Painted Nubby, and Vinyl-faced Fiberglass ceiling products.

(Applies when Armstrong® Commercial suspension systems and Armstrong Commercial ceiling products are installed and used together.)

Armstrong products are sold subject to limited warranties; general warranty information is available at armstrongceilings.com/warranty. Full copies of the applicable warranty are available by calling 1 877 276-7876.

VISUAL			COLOR			SUBSTRATE							PERFORMANCE CRITERIA																		SPECIAL PERFORMANCE															
																				Maintainability			Durability																								
Panels	Planks	Cloud/Canopy	White	Tech Black	Other Colors/Finishes	Mineral Fiber	Fiberglass	Wood Fiber – Cementitous	Metal	Wood	BioAcoustic™	Translucent	High Acoustical	Fire Performance	High Light Reflectance	BioBlock/Inherent	Sag Resistance	Certified Low VOC	EPD Available	Soil Resistance	Scrubbability	Washability	Water-Repellent	Scratch Resistance	Impact Resistance	Healthcare	Open Plan Office	Clean Room	Exterior	Food Preparation	Gymnasium	Laboratory	Shower or Locker Areas	Recycle Program	High Recycled Content	Ceiling-2-Ceiling™	10-Year Availability	Installed Cost
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You Can Use Blades™ and Baffles to Enhance Design and Acoustical Performance

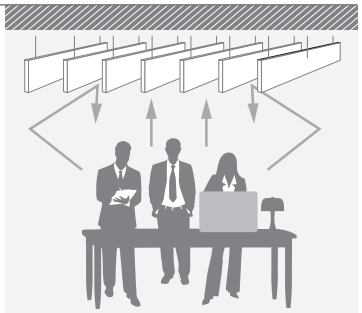
Acoustical absorption is important to:
- Reduce noise levels and reverberation time
- Enhance speech intelligibility

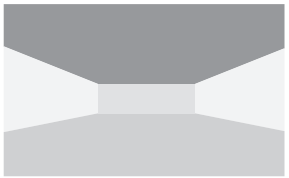
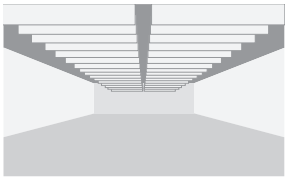
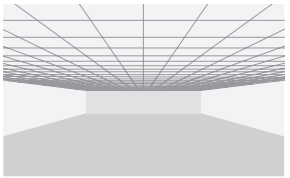
Sabin

The preferred metric for measuring acoustics for "space absorbers" like Blades™ and baffles.

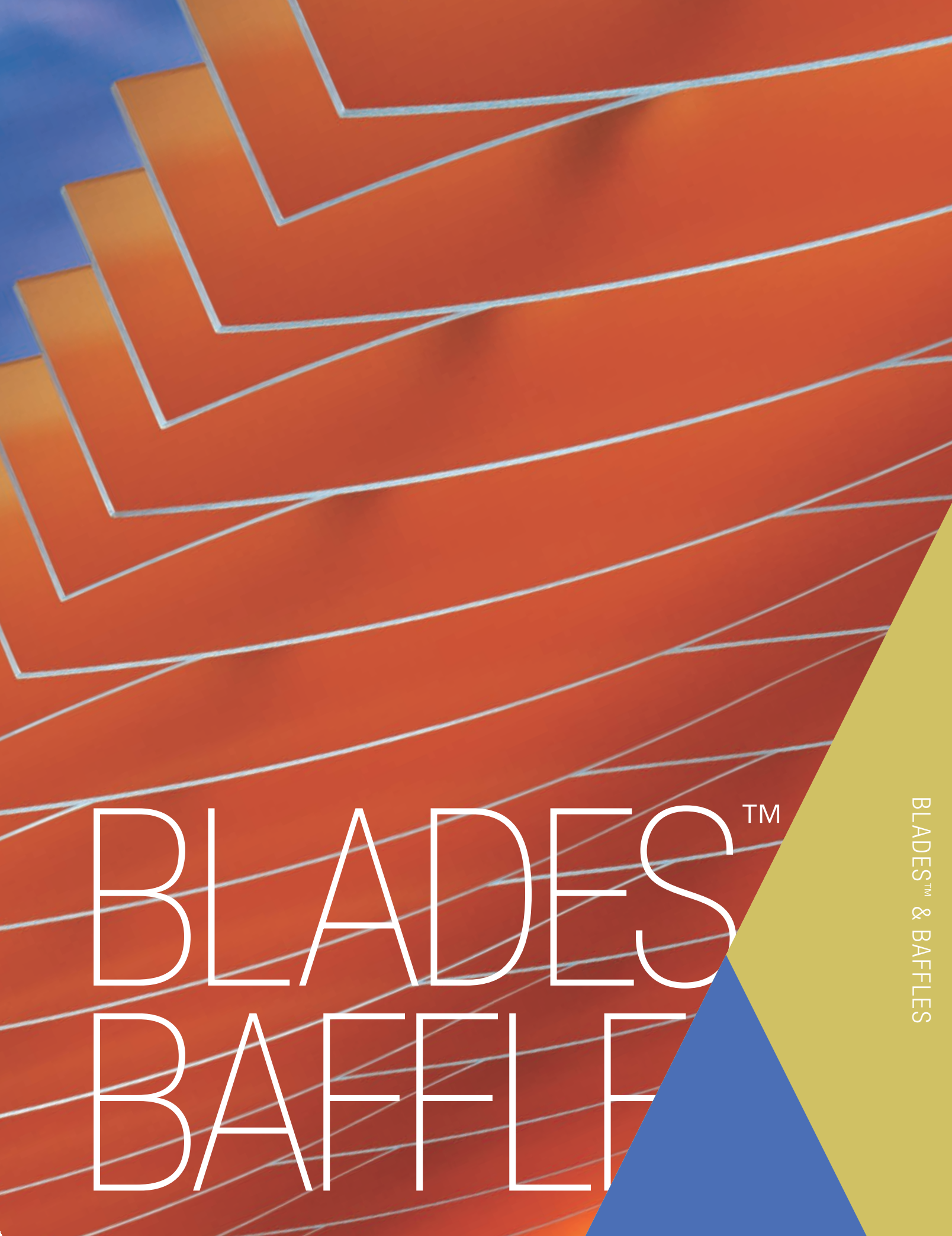
Acoustical absorption for a suspended ceiling is calculated by multiplying the exposed surface area by the material NRC while "space absorbers" are directly measured.

Acoustical Blades™ and baffles can provide greater sound absorption than a continuous ceiling of the same surface area, because the sound is absorbed from both the front and back surfaces.



Example:	Exposed Structure	Blades™ Installation	Continuous Ceiling
			
5,000 SF Exposed Structure (50' x 100'), 15' to deck, drywall with windows on two sides, commercial carpet	**No Treatment (0% Coverage)**	**SoundScapes® Shapes (50% coverage)**	**Continuous Optima® Ceiling (100% Coverage)**
Ceiling	**Exposed Structure**	**156 Shapes: 46" x 46" Squares**	**Suspended 60" Below Deck**
Sabin/SF	0	1.38	0.90
Reverberation Time	3.4 sec	1.0 sec	0.5 sec
RT Improvement	ref	72%	86%
SPL Reduction	ref	-4.0 dB	-6.0 dB

For definitions of acoustical terms, see pages 473-474 in this catalog.



BLADES™ BAFFLE

Blades™ & Baffles
At-a-Glance

you inspire™
solutions center
helping to bring your one-of-a-kind ideas to life



INFUSIONS® Blades™ – Concepts™ Pg. 55



METALWORKS™ Blades™ – Concepts Pg. 56



METALWORKS™ Blades™ – Classics™ Pgs. 57-58



SOUNDSCAPES® Blades™ Pgs. 59-64



SOUNDSOAK® Baffles Pg. 65



TECTUM® Blades™ & Baffles Pg. 66

ICON KEY

Icons are used throughout the catalog to help you quickly identify key products with high level of performance.

Acoustics
Sabin measures are noted under physical data for each product.

Seismic
Category D, E & F

Fire Performance
Class A

Light Reflectance
Light reflectance of 0.83 or greater.

BioBlock®
Resists the growth of mold and mildew

Humidity/Sag Resistance
HumiGuard® Plus
Recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

High Durability
Washability
Offers superior wash resistance without compromising panel finish integrity.

Scrubbability
Withstands up to 150 scrub cycles using a scrubbability tester as per modified ASTM D2486

Impact Resistance
Excellent resistance to surface impact

Scratch Resistance
Excellent resistance to surface scratching, scuffing, or chipping as per Hess Rake Test.

Soil Resistance
Excellent resistance to dirt and/or grease for lasting value and performance.

Color Availability
Available in color.

Sustainability
Product is part of Sustain™ Portfolio and meets the most stringent sustainability compliance standards today.

Product is recyclable through the Armstrong Recycling Program.

For information about MetalWorks™ Blades™ panels, SoundScapes® Blades™ panels, and custom Soundsoak® Baffles, contact TechLine at 1 877 276-7876

Blades™ & Baffles
At-a-Glance

METALWORKS™ BLADES – CLASSICS™



Whitelume (WHA) | Silverlume (SIA) | Gun Metal (MYA) | Custom Colors Available

METALWORKS™ BLADES – CONCEPTS™



Cherry (CCH) | Walnut (CWN) | Mahogany (CMH)

SOUNDSCAPES® BLADES™



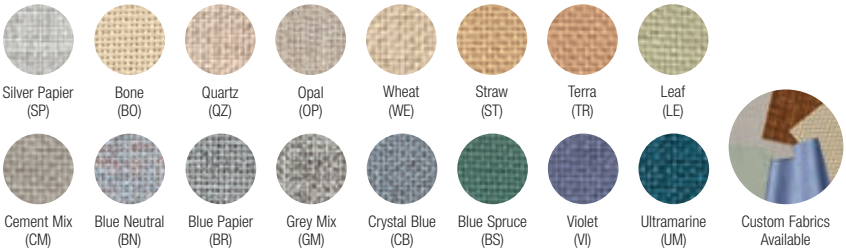
White (WH) | Shell (SH) | Pale Lemon (LM) | Pecan (PC) | Sky (SK) | Moss (MS) | Stone (SE) | Reef (RE) | Lagoon (LA) | Plum (PM) | Cranberry (CN) | Kiwi (KW) | Tangerine (TG) | Black (BK) | Custom Colors Available

To see coordinating Ultima® & Optima® Create!™ panel colors and RAL® colors, visit armstrong.com/createcolors.
Custom colors are available with a Sherwin-Williams®. 4-digit color code from the Duration® or Harmony® flat interior paint families (Code SW _ _ _ _)

SOUNDSOAK® BAFFLES

Woven Fabric Surface – BioAcoustic™ & Fiberglass Cores

FR-701® (partial list)



Silver Papier (SP) | Bone (BO) | Quartz (QZ) | Opal (OP) | Wheat (WE) | Straw (ST) | Terra (TR) | Leaf (LE)

Cement Mix (CM) | Blue Neutral (BN) | Blue Papier (BR) | Grey Mix (GM) | Crystal Blue (CB) | Blue Spruce (BS) | Violet (VI) | Ultramarine (UM) | Custom Fabrics Available

Sailcloth Fabric Surface – Fiberglass Core Only



White (SCWE) | Silver (SCSR) | Yellow (SCYW) | Red (SCRD) | Royal (SCRL) | Maroon (SCMN) | Navy (SCNY) | Black (SCBK) | Custom Colors Available

TECTUM® BLADES & BAFFLES



Tectum Natural (TNA) | Tectum White (TWH) | Made-to-order Colorations® Colors Available | Made-to-order Sherwin-Williams® Colors Available

INFUSIONS® BLADES – CONCEPTS™

Solids



Cultured Pearl (TCP) | Inspiration Ice (TNC) | Calm Water (TCW) | Natural Faith (TNF) | Loyalty Latte (TLL) | Caribbean Renewal (TAR) | Sage Happiness (TSH) | Budding Creativity (TBD) | Tranquility Teal (TTT) | Peace Blue (TPB) | Sheer Iris (TSI) | Blueberry Bliss (TBB)



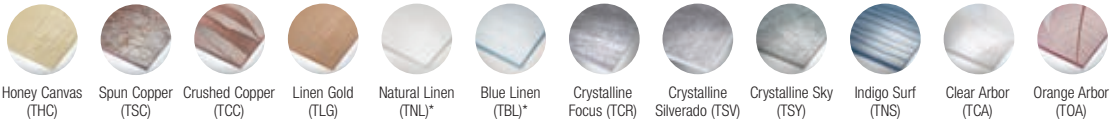
Saffron Energy (TSE) | Sedona Spirit (TSS) | Red Fire (TRF)

SoundScapes® Coordinating Colors



Refined Kiwi (TRK) | Refined Reef (TRR) | Refined Lagoon (TRL) | Refined Plum (TRP) | Refined Tangerine (TRT) | Refined Black (TRB)

Patterns



Honey Canvas (THC) | Spun Copper (TSC) | Crushed Copper (TCC) | Linen Gold (TLG) | Natural Linen (TNL)* | Blue Linen (TBL)* | Crystalline Focus (TCR) | Crystalline Silverado (TSV) | Crystalline Sky (TSY) | Indigo Surf (TNS) | Clear Arbor (TCA) | Orange Arbor (TOA)

* Color may vary panel to panel

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FR-701® is a registered trademark of Guilford of Maine

INFUSIONS® Blades – Concepts™

Linear Panels
smooth texture

LEED®: energy management; construction waste mgmt; ✓ regional materials; design for flexibility; EPD; recyclable/ extended producer resp.; biobased materials; recycled content; sourcing of raw materials; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

▲ LOCATION DEPENDENT



Infusions® Blades – Concepts™ vertical panels in Refined Tangerine

Playful translucent vertical panels, with unique wave designs, interplay with lighting, colors, and textures.

KEY SELECTION ATTRIBUTES

- Create a colorful accent area or add dramatic visual impact with a full-room installation
- Unique wave designs can create a variety of visuals depending on the spacing of the vertical panels and the direction of installation
- Translucent Blades™ panels coordinate with Armstrong® ceiling products and other interior finishes, including Infusions® Walls, Partitions and Canopies, and SoundScapes® Blades™ and Shapes

COLORS (partial list)

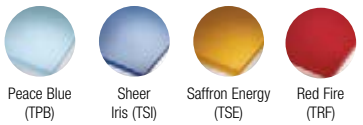
For all colors see pg. 54

Due to printing limitations, shade may vary from actual product.

Solids



Inspiration Ice (TNC) · Calm Water (TCW) · Loyalty Latte (TLL) · Sage Happiness (TSH) · Tranquility Teal (TTT)



Peace Blue (TPB) · Sheer Iris (TSI) · Saffron Energy (TSE) · Red Fire (TRF)

Patterns*



Honey Canvas (THC) · Spun Copper (TSC) · Crushed Copper (TCC) · Linen Gold (TLG) · Natural Linen (TNL)†

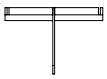
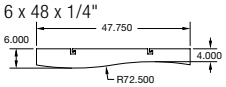
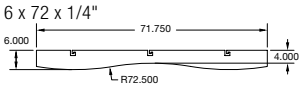
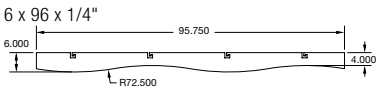


Crystalline Silverado (TSV) · Crystalline Focus (TCR) · Indigo Surf (TNS) · Clear Arbor (TCA) · Orange Arbor (TOA)

† Color may vary panel to panel

* Due to the unique nature of the woven fabric used in these products, color may vary from panel to panel.

PANEL SELECTION

Edge Profile	Item No. ◆	Dimensions Nominal H x L† (Inches) Custom Sizes Available	Fire Rating	Warranty
INFUSIONS® Blades – Concepts™				
	**7087**_ _ _	6 x 48 x 1/4" 	Class A	1-Yr
	7086_ _ _	6 x 72 x 1/4" 	Class A	1-Yr
	7085_ _ _	6 x 96 x 1/4" 	Class A	1-Yr

◆ When specifying or ordering, include the appropriate 3-letter color suffix. (Example: 7086 T S H)

† Thickness of panels varies by pattern from 0.245" to 0.298".

SUSPENSION COMPONENTS

Item Number	Description	Color	Pcs./Ctn.
7137AB	96" Suspension Bar with connector holes on both ends	Anodized Black	8 bars/4 connectors
6651AB	Suspension Bar End-to-End Connectors	Anodized Black	5
6655	Blades™ Hanging Kit**	Metal	1 kit

** Each Blades™ Hanging Kit includes four hanging assemblies. Use one kit for each suspension bar.

PHYSICAL DATA

Material
Polycarbonate

Surface Finish
Smooth

Fire Performance
Infusions® Blades – Concepts™ panels have been tested according to NFPA 286 and are equivalent to Class A Interior Finish as defined by the International Building Code.

Designers and Installers are advised to consult a fire protection engineer, NFPA 13, and local codes for guidance where automatic fire detection and suppression systems are present.

Contact TechLine at 1 877 276-7876 for specific US and Canadian fire performance data.

Design Considerations
Infusions® Blades – Concepts™ panels are not approved for exterior application.

Due to the unique nature of the woven fabric used in this product, Natural Linen and Blue Linen colors may vary panel to panel.

The wave design on Infusions® Blades – Concepts™ panels is a 4' pattern. Six-foot Blades™ panels should only be pared with 48" or 96" Blades panels. Six-foot Blades panels should not be placed end-to-end when used with 48" and 96" Blades panels.

Installation Considerations
Do not allow panel edges to get wet or be exposed to moisture.

Any fixtures adjacent to Infusions® Blades – Concepts™ panels must be independently supported. There is potential for limited natural deflection of panels.

Infusions® Blades – Concepts™ panels can be damaged by exposure to high temperatures. Panel temperature should not be permitted to exceed 100°F.

Follow these guidelines for minimum distance from standard light sources.

LAMP TYPE	LABEL WATTAGE	MINIMUM DISTANCE
Halogen FL XL PAR 30	60	14"
Incandescent Bulb	120	15"
Quartz Halogen Work Light	500	23"

Additional light transmission information is available at armstrongceilings.com/infusions

Spacing between two adjacent Blades™ panel ends must be a minimum of 1/4".

Seismic Restraint
Infusions Blades – Concepts panels have been engineered, tested, and approved for use in all seismic areas. OSHPD/DSA installations may require additional attachment from panel to suspension bar. Consult Armstrong Ceilings to special order panels to accommodate these applications.

Warranty
Details at armstrongceilings.com

Weight; Pieces/Carton
1.63 lbs/SF
7085, 7086 – 8 pcs/ctn
7087 – 16 pcs/ctn

TechLine / 1 877 276 7876
armstrongceilings.com/infusions
(search: infusions blades concepts)
BPCS-5091-617

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Armstrong® CEILING & WALL SOLUTIONS

METALWORKS™ Blades – Concepts™

Linear Panels
smooth texture

UP TO 20% RECYCLED CONTENT

For LEED contribution contact TechLine

LEED®

energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
	✓	✓	✓	✓			✓	✓				

▲ LOCATION DEPENDENT

▲ WITH INFILL PANEL



MetalWorks™ Blades – Concepts™ vertical panels in Walnut

Vertical panels in unique wave designs, are available in rich, wood-look visuals.

KEY SELECTION ATTRIBUTES

- Create an accent area or add dramatic visual impact with a full-room installation
- Unique wave designs can create a variety of visuals depending on the spacing of panels and the direction of installation
- Rich wood looks bring warmth to any space
- Perfect for both renovation and new construction projects

COLORS

Due to printing limitations, shade may vary from actual product.

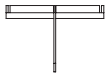
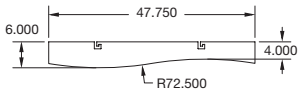
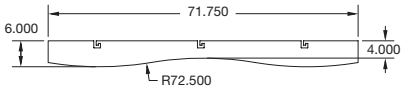
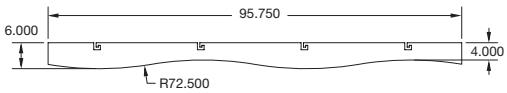


Cherry (CCH) | Walnut (CWN) | Mahogany (CMH)

PANEL SELECTION

PERFORMANCE

Dots represent high level of performance.

Edge Profile	Item No. ◆	Dimensions Nominal H x L (Inches) Custom Sizes Available	Wash	Scrub	Scratch	Soil
METALWORKS™ Blades – Concepts™					Durability	
	**7090**_ _ _	48 x 6 x .157" 	•	•	•	•
	7089_ _ _	72 x 6 x .157" 	•	•	•	•
	7088_ _ _	96 x 6 x .157" 	•	•	•	•

◆ When specifying or ordering, include the appropriate 3-letter color suffix (e.g., 7088 C C H)

SUSPENSION COMPONENTS

Item Number	Description	Color	Pcs./Ctn.
7137AB	96" Suspension Bar with connector holes on both ends	Anodized Black	8 bars/4 connectors
6651AB	Suspension Bar End-to-End Connectors	Anodized Black	5
6655	Blades™ Hanging Kit*	Metal	1 kit

* Each Blades™ Hanging Kit includes four hanging assemblies. Use one kit for each suspension bar.

PHYSICAL DATA

Material
Aluminum composite material – .157" thick (Aluminum with fire-retardant mineral core)

Surface Finish
Factory-applied polyester paint

Fire Performance
Tested per ASTM E84. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

Recycled Content
Up to 20% recycled content

Design Considerations
MetalWorks™ Blades – Concepts™ panels are not approved for exterior application.

Lighting will reflect differently through cut edges.

The wave design on MetalWorks™ Blades – Concepts™ panels is a 48" pattern. Six-foot Blades™ panels should only be pared with 48" or 96" Blades panels. Six-foot Blades panels should not be placed end-to-end when used with 48" and 96" Blades panels

Installation Considerations
Any fixtures adjacent to MetalWorks™ Blades – Concepts™ panels must be independently supported.

Adjacent panel ends must be spaced a minimum of 1/4" apart.

Design Support
Project management assistance is available by calling TechLine at 1 877 276-7876.

Seismic Restraint
MetalWorks™ Blades – Concepts™ panels have been engineered, tested, and approved for use in all seismic areas. OSHPD/DSA installations may require additional attachment from panel to suspension bar. Consult Armstrong Ceilings to special order panels to accommodate these applications. Refer to ASCE 7–10, section 13.5 architectural components for details on seismic requirements.

Warranty
Details at armstrongceilings.com

Weight; Pieces per Carton
0.50 lbs/LF; 10 pcs

TechLine / 1 877 276-7876
armstrongceilings.com/metalworks
(search: metalworks blades concepts)
BPCS-5093-517

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Armstrong® CEILING & WALL SOLUTIONS

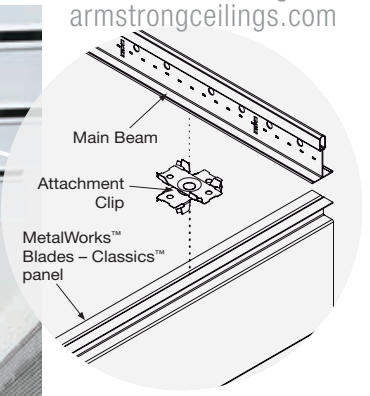
METALWORKS™ Blades – Classics™

Linear Panels with Acoustical Options
smooth texture

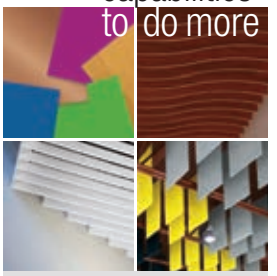


MetalWorks™ Blades – Classics™ vertical panels in Whitelume with M15 perforation

CAD/Revit® drawings at:
armstrongceilings.com



plus... capabilities to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Durable metal vertical panels in upscale linear designs are available in acoustical or non-acoustical options.

KEY SELECTION ATTRIBUTES

- Now available in 23" and 47" lengths for creative design layouts
- Six Effects™ Wood Looks finishes
- Create acoustical or non-acoustical upscale linear designs
- Blades™ panel spacing is variable to accommodate a variety of design and acoustical needs
- MetalWorks Blades – Classic™ panels are part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today
- Blades™ panels come with two end caps, one end cap, or no end caps for maximum design flexibility
  - Join several Blades™ panels together to create a longer run
  - Use double end capped panel for access areas
- Fast, easy installation with standard Prelude® XL® 15/16" or 360° painted suspension systems
- Custom RAL® colors available on unperforated (M1) panels only



MetalWorks™ Blades – Classics™ with Effects™ Dark Cherry finish

COLORS

Due to printing limitations, shade may vary from actual product.



Whitelume (WHA) | Silverlume (SIA) | Gun Metal (MYA)

Part of the Sustain™ portfolio, meeting sustainability compliance standards



Effects Maple (FXMP) | Effects Oak (FXOK) | Effects Cherry (FXCH) | Effects Dark Cherry (FXDC) | Effects Walnut (FXWN) | Effects Walnut Espresso (FXWE) | RAL® / Custom Colors Available

PERFORMANCE OPTIONS

(1:2 scale shown)



M1 (Unperforated) | M15 (Rd 1612)

Additional sizes and colors may be available. For more information, visit our web site at armstrongceilings.com/metalworks or contact Architectural Specialties TechLine at 1 877 276-7876 for custom blade lengths.

METALWORKS™ Blades – Classics™

Linear Panels with Acoustical Options

smooth texture

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems Unperforated (M1)

UP TO 20% RECYCLED CONTENT

For LEED contribution contact TechLine

LEED®: energy management; construction waste mgmt ✓; regional materials ✓; design for flexibility; EPD; recyclable/ extended producer resp.; biobased materials; recycled content ✓; sourcing of raw materials ✓; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

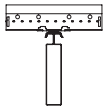
▲ LOCATION DEPENDENT

▲ WITH INFILL PANEL

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

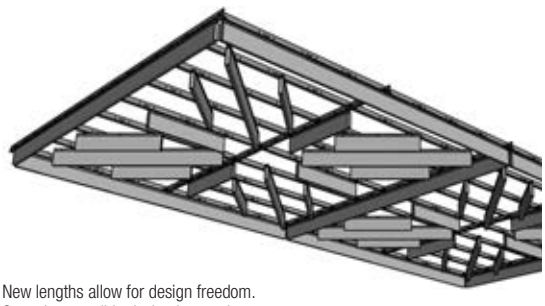
Edge Profile	Item No. ◆	Description/Dimensions L x W x D (Inches) Custom Sizes Available	Sabins/ Panel†	Wash	Scrub	Soil
				Durability		
METALWORKS™ Blades – Classics™						
	**8157**_ _ _ _ _ _ new 	Vertical panel with caps on both ends 94-1/2 x 4 x 1"	2.5 •	•	•	•
	8156_ _ _ _ _ _ new 	Vertical panel with caps on both ends 46-1/2 x 4 x 1"	1.2	•	•	•
	8155_ _ _ _ _ _ new 	Vertical panel with caps on both ends 22-1/2 x 4 x 1"	0.6	•	•	•
	7202_ _ _ _ _ _ 	Vertical panel with cap on one end 96 x 4 x 1"	2.5 •	•	•	•
	7203_ _ _ _ _ _ 	Vertical panel with no end caps 96 x 4 x 1"	2.5 •	•	•	•

◆ When specifying or ordering, include the appropriate perforation and color suffix with the item number (e.g., 7201 M 1 5 F X M P).
† With M15 perforation
NOTE: 6" panel depth option available as a custom product.

ACCESSORIES

	Item Number	Description	Pieces/Carton
	**7204** _ _ ◆◆	MetalWorks™ Blades – Classics™ Attachment Clip (SS – Stainless Steel and KO – Black Oxide)	100
	**7205**	MetalWorks Blades – Classics Alignment Device	24

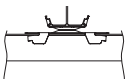
◆◆ When specifying or ordering, include the appropriate 2-letter color suffix, SS – Stainless Steel or KO – Black Oxide, (e.g., 7204 S S).



New lengths allow for design freedom. See other possible design layouts in our MetalWorks™ Blades technical guide.

SUSPENSION SYSTEMS

15/16"



Prelude® XL® suspension system (Pgs. 391-392) (Black) or 360º Painted Grid (Pg. 383)

PHYSICAL DATA

Material
Aluminum – thickness 0.032"

Surface Finish
Factory-applied polyester paint. Available in White, Silver Grey, Gun Metal Grey, and Effects™ Wood Looks powder-coated, post-production finishes. Custom colors also available. Contact TechLine for custom color matching requests at 1 877 276-7876.

Fire Performance
Tested per ASTM E84. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

Acoustical Options
Perforated panels are supplied with a black fiberglass fleece acoustic infill bag to absorb sound (varies by Blade™ panel length).

Design Support
Project management assistance is available by calling TechLine customer support at 1 877 276-7876.

Design Considerations
When installed, panels hang 4-7/8" below grid face. Panels can be supported by heavy duty main beams or cross tees, with 2 attachment clips per panel. See MetalWorks™ Blades – Classics™ brochure online for additional design lay-outs.

Seismic Restraint
Refer to ASCE 7-10, Section 13.5 Architectural Components, for seismic requirements. Section 13.5, item 2 refers to 13.2.3 Consequential Damage.

Warranty
Details at armstrongceilings.com

Weight; Square Feet/Carton
1.43 lbs/SF

TechLine / 1 877 276-7876
armstrongceilings.com/blades
(search: metalworks blades classics)

BPCS-5092-517

LEED® is a registered trademark of the U.S. Green Building Council
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Armstrong® CEILING & WALL SOLUTIONS

SOUNDSCAPES® Blades™

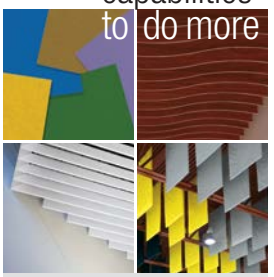
Linear Acoustical Panels

smooth texture



Custom SoundScapes® Blades™, Rectangular in varying lengths and depths in White

plus... capabilities to do more



armstrongceilings.com/capabilities

See more photos at: armstrongceilings.com/photogallery

Acoustical vertical panels reduce reverberation time in your space, now with three ways to install on ceilings and walls.

KEY SELECTION ATTRIBUTES

new

- Three installation options for maximum ceiling and wall design flexibility
  - From standard suspension system
  - From individual cable suspension
  - Direct-attach method using Axiom® Wall Molding
- Excellent acoustical absorption – 1.38 Sabins/ft²
- Twenty vertical panel sizes and shapes
- Linear, upscale visual
- Seismic-tested
- Integrated hardware
- Custom panel options available
- Custom colors within the Sherwin-Williams® color line
- Add scrim to top edge as a premium option

COLORS

Due to printing limitations, shade may vary from actual product.

White (WH) · Shell (SH) · Pale Lemon (LM) · Pecan (PC) · Sky (SK) · Moss (MS) · Stone (SE) · Reef (RE) · Lagoon (LA) · Plum (PM) · Cranberry (CN) · Kiwi (KW) · Tangerine (TG) · Black (BK) · Made-to-order Sherwin-Williams® Colors Available

To see coordinating Calla® panel colors, visit armstrongceilings.com/colorations.
For premium and custom capabilities, contact TechLine at 877 276-7876.

SOUNDSCAPES® Blades™

Linear Acoustical Panels
smooth texture

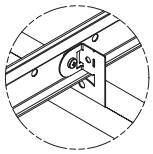
71% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

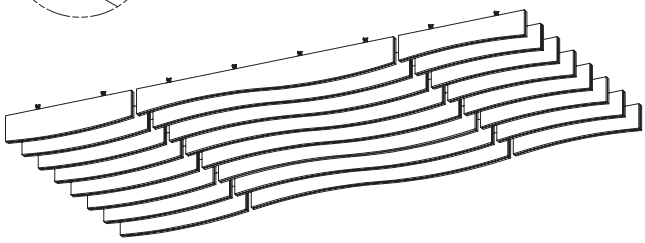
LEED®: energy management; construction waste mgmt; regional materials ✓; design for flexibility ✓; EPD; recyclable/ extended producer resp.; biobased materials; recycled content ✓; sourcing of raw materials ✓; material ingredient reporting; low emitting/ materials ✓; lighting quality ✓; acoustics ✓

▲ LOCATION DEPENDENT

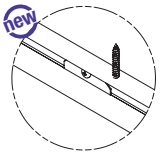
LAYOUT OPTIONS



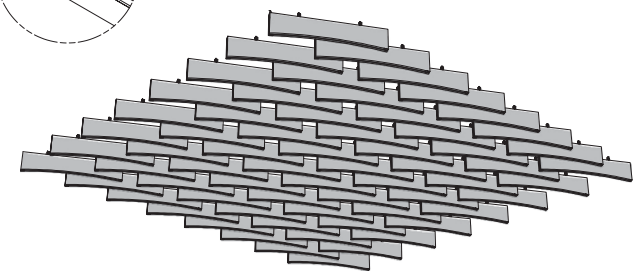
Install to Standard 15/16" Suspension System



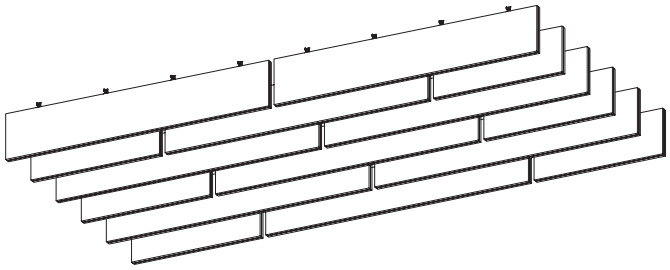
Vertical Panel 8' Wavelength Concave 7240 – 7.5 x 46 x 2"
Vertical Panel 8' Wavelength Convex 7241 – 10.5 x 46 x 2"
Vertical Panel 8' Wavelength Wave 7244 – 10.5 x 94 x 2"



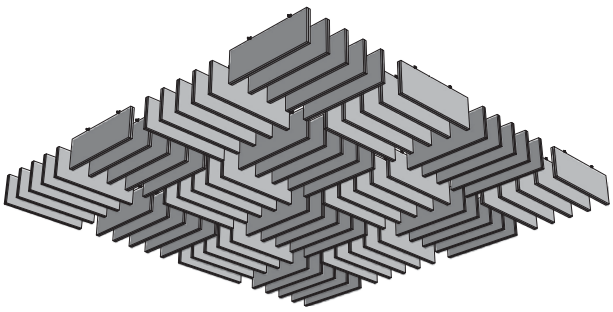
Direct-Attach Method using Axiom® Wall Molding



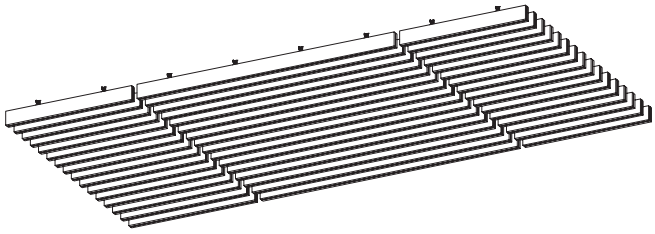
Vertical Panel 8' Wavelength Concave 7240 – 7.5 x 46 x 2"



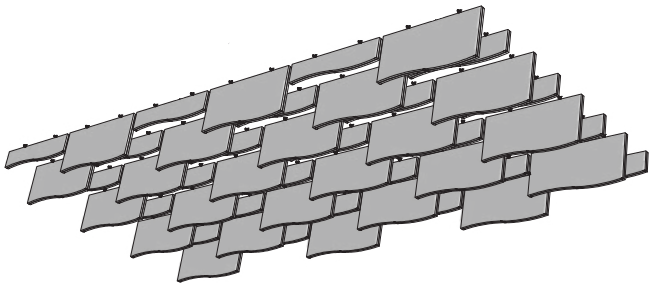
Vertical Panel Rectangular 7192 – 16 x 46 x 2"
Vertical Panel Rectangular 7193 – 16 x 94 x 2"



Vertical Panel Rectangular 7192 – 16 x 46 x 2"

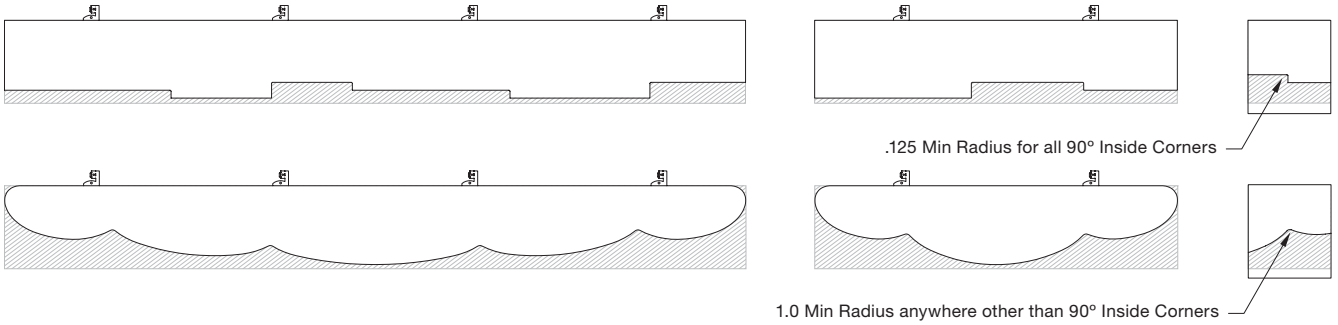


Vertical Panel Rectangular 7190 – 5 x 46 x 2"
Vertical Panel Rectangular 7191 – 5 x 94 x 2"



Vertical Panel 4' Wavelength Wave 7247 – 22 x 46 x 2"
Vertical Panel 4' Wavelength Wave 7246 – 10 x 46 x 2"

CUSTOM PANEL DESIGN EXAMPLES



SOUNDSCAPES® Blades™

Linear Acoustical Panels
smooth texture

71% RECYCLED CONTENT

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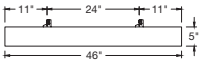
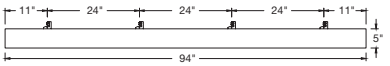
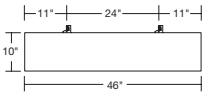
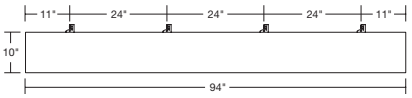
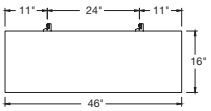
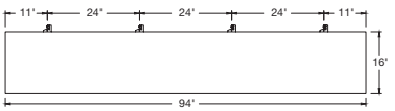
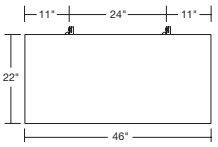
LEED®: energy management; construction waste mgmt; regional materials ✓; design for flexibility ✓; EPD; recyclable/ extended producer resp.; biobased materials; recycled content ✓; sourcing of raw materials; material ingredient reporting ✓; low emitting/ materials ✓; lighting quality ✓; acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION Shown in elevation view

PERFORMANCE Dots represent high level of performance.

Item No. ◆	Description	Dimensions (Inches)		Sabins/ Panel	Light Reflect (White Only)	Fire Rating	Anti-Mold & Mildew Inherent	Sag Resist Humi-Guard+	Wash (Durability)	Impact (Durability)	Scratch (Durability)	Soil (Durability)
SOUNDSCAPES® Blades™ Vertical Panel Rectangular												
7190_ _	Vertical panel Rectangular	5 x 46 x 2"		2.2	0.90 •	Class A	•	•	•	•	•	•
7191_ _	Vertical panel Rectangular	5 x 94 x 2"		4.5	0.90 •	Class A	•	•	•	•	•	•
3920_ _	Vertical panel	10 x 46 x 2"		4.4	0.90 •	Class A	•	•	•	•	•	•
3921_ _	Vertical panel	10 x 94 x 2"		6.5	0.90 •	Class A	•	•	•	•	•	•
7192_ _	Vertical panel Rectangular	16 x 46 x 2"		7.0	0.90 •	Class A	•	•	•	•	•	•
7193_ _	Vertical panel Rectangular	16 x 94 x 2"		14.4	0.90 •	Class A	•	•	•	•	•	•
3922_ _	Vertical panel	22 x 46 x 2"		9.7	0.90 •	Class A	•	•	•	•	•	•

NOTE: Scrimmed top edges offered as "Premium." EXAMPLE: BPAS3920S6WH, where "S6" = scrimmed all sides.
◆ Add 2-letter color suffix to end of item number (e.g., 3920 W H = White)

Armstrong® CEILING & WALL SOLUTIONS

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Linear Acoustical Panels

smooth texture

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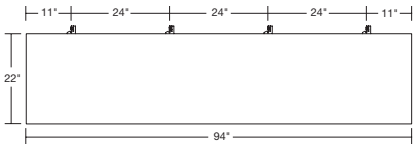
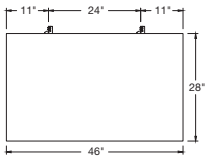
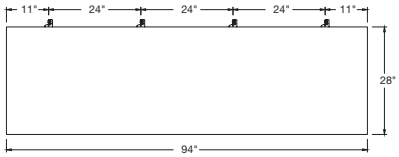
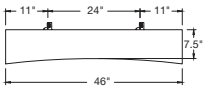
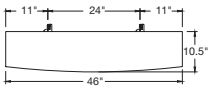
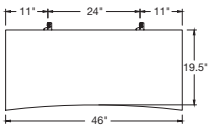
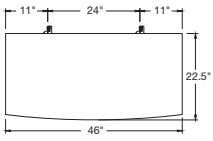
▲ LOCATION DEPENDENT

VISUAL SELECTION Shown in elevation view

PERFORMANCE Dots represent high level of performance.

Item No. ◆	Description	Dimensions (Inches)		Sabins/ Panel	Light Reflect (White Only)	Fire Rating	Anti-Mold & Mildew Inherent	Sag Resist Humi-Guard+	Wash	Impact	Scratch	Soil
									Durability			
SOUNDSCAPES® Blades™ Vertical Panel Wave												
3923_ _	Vertical panel	22 x 94 x 2"		19.8	0.90 •	Class A	•	•	•	•	•	•
7194_ _	Vertical panel Rectangular	28 x 46 x 2"		12.3	0.90 •	Class A	•	•	•	•	•	•
7195_ _	Vertical panel Rectangular	28 x 94 x 2"		25.2	0.90 •	Class A	•	•	•	•	•	•
7240_ _	Vertical panel 8' Wavelength Concave	7.5 x 46 x 2"		3.5	0.90 •	Class A	•	•	•	•	•	•
7241_ _	Vertical panel 8' Wavelength Convex	10.5 x 46 x 2"		4.4	0.90 •	Class A	•	•	•	•	•	•
7242_ _	Vertical panel 8' Wavelength Concave	19.5 x 46 x 2"		8.8	0.90 •	Class A	•	•	•	•	•	•
7243_ _	Vertical panel 8' Wavelength Convex	22.5 x 46 x 2"		9.7	0.90 •	Class A	•	•	•	•	•	•

NOTE: Scrimmed top edges offered as "Premium." EXAMPLE: BPAS3920S6WH, where "S6" = scrimmed all sides.
◆ Add 2-letter color suffix to end of item number (e.g., 3920 W H = White)

SOUNDSCAPES® Blades™

Linear Acoustical Panels
smooth texture

71% RECYCLED CONTENT

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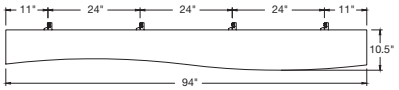
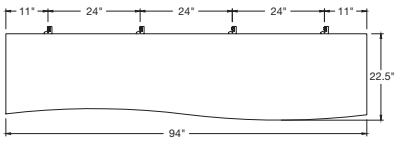
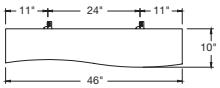
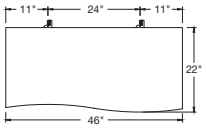
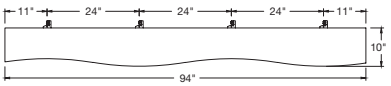
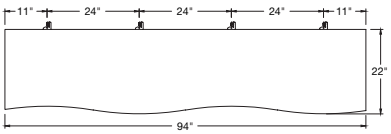
LEED®: energy management; construction waste mgmt; regional materials ✓; design for flexibility ✓; EPD; recyclable/ extended producer resp.; biobased materials; recycled content ✓; sourcing of raw materials; material ingredient reporting; low emitting/ materials ✓; lighting quality ✓; acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION Shown in elevation view

PERFORMANCE Dots represent high level of performance.

Item No. ◆	Description	Dimensions (Inches)		Sabins/ Panel	Light Reflect (White Only)	Fire Rating	Anti-Mold & Mildew Inherent	Sag Resist Humi-Guard+	Wash	Impact	Scratch	Soil
									Durability			
SOUNDSCAPES® Blades™ Vertical Panel Wave												
7244_ _	Vertical panel 8' Wavelength Wave	10.5 x 94 x 2"		8.1	0.90 •	Class A	•	•	•	•	•	•
7245_ _	Vertical panel 8' Wavelength Wave	22.5 x 94 x 2"		18.9	0.90 •	Class A	•	•	•	•	•	•
7246_ _	Vertical panel 4' Wavelength Wave	10 x 46 x 2"		4.0	0.90 •	Class A	•	•	•	•	•	•
7247_ _	Vertical panel 4' Wavelength Wave	22 x 46 x 2"		9.3	0.90 •	Class A	•	•	•	•	•	•
7248_ _	Vertical panel 4' Wavelength Wave	10 x 94 x 2"		8.1	0.90 •	Class A	•	•	•	•	•	•
7249_ _	Vertical panel 4' Wavelength Wave	22 x 94 x 2"		18.9	0.90 •	Class A	•	•	•	•	•	•

NOTE: Scrimmed top edges offered as "Premium." EXAMPLE: BPAS3920S6WH, where "S6" = scrimmed all sides.
◆ Add 2-letter color suffix to end of item number (e.g., 3920 W H = White)

SOUNDSCAPES® Blades™

Linear Acoustical Panels
smooth texture

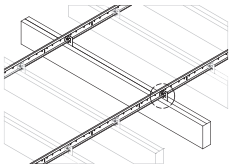
71% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
		✓	✓					✓				✓	✓

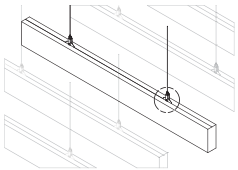
▲ LOCATION DEPENDENT

THREE WAYS TO INSTALL

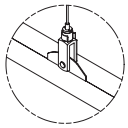


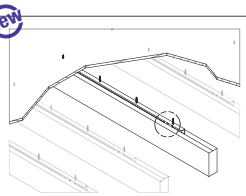
Attachment to Suspension System



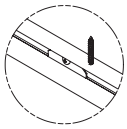


Individual Suspension using Hanging Kit



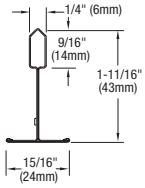


Direct-attach Method using Axiom® Wall Molding



INSTALLATION OPTIONS

Item No.◆	Description	Lin Ft/ Carton
PRELUDE® XL®		
7301__	HD Main Beam	240
XL7341__	48" Cross Tee	240
XL8320__	24" Cross Tee	120
7800__	7/8" Wall Angle	360
360º PAINTED GRID	Suspension system available in RAL® colors.	
56418	144" HD Main Beam	240
730136__	Black (BL) and White (WH) colors only	240
56421	48" Cross Tee	240
XL34036__	Black (BL) and White (WH) colors only	240
56419	24" Cross Tee	120
XL732036__	Black (BL) and White (WH) colors only	120
7800	7/8" Wall Angle	360
780036__	Black (BL) and White (WH) colors only	360



◆ When specifying or ordering items with a color, add the two-letter suffix to the end of the item number (e.g. 7301BL)

Item No.◆	Description	Pieces/Carton	
DIRECT-ATTACH WITH AXIOM WALL MOLDING			
AXM34STR3__	Straight Wall Molding – Shadow 10'	(360 Paint Recommended; order by the piece)	
INDIVIDUAL SUSPENSION USING HANGING KIT			
BP6655	4-Point Hanging Kit	4 per bag	
ACCESSORIES			
ARBRKT	Adjustable Hanger Bracket	80	
QSUTC	Rigid Attachment Clip	150	
STAC	Single Tee Adapter Clip	120	

PHYSICAL DATA

Material
2" thick fiberglass with DuraBrite® scrim on face and sides.

Surface Finish
DuraBrite scrim with factory-applied paint on face and sides. Standard White has energy-saving, high light-reflective finish (LR 0.90). Top of panel is unfinished with embedded hanging clips.

Fire Performance
SoundScapes® Blades™ panel material is ASTM E84 Class A: Flame Spread 25 or under and Smoke Developed 50 or less.

CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

SoundScapes Blades panels, as with other architectural features located in the ceiling plane, may obstruct or skew the existing or planned fire sprinkler water distribution pattern, or possibly delay the activation of the fire sprinkler or fire detection system.Consult a fire protection engineer, NFPA 13, and local codes for guidance on the proper installation techniques where fire detection or suppression systems are present.

Acoustical Performance
1.38 Sabins per square foot or 64% more sound absorption than the same square footage of NRC 0.90 continuous ceilings. Blades™ colored panels have slightly reduced acoustical performance.

Design Considerations
SoundScapes® Blades™ panels maintain a natural bow that may be noticeable when installed 2" or less apart. Deflection up to 1/8" has been documented in some cases.

Special care in installation and handling must be taken with color panels to avoid surface damage to the paint finish. Custom colors are available with a Sherwin-Williams® color code from the Duration® or Harmony® flat interior paint families (Code SW _ _ _ _).

5" SoundScapes Blades can now be used on walls, but are not recommended for use in high-traffic or high-impact areas. For best results, install above 6' from floor level.

Seismic Restraint
Refer to ASCE 7-10, Section 13.5 Architectural Components, for seismic requirements. Section 13.5, item 2 refers to 13.2.3 Consequential Damage.

Recommended Suspension Systems
SoundScapes Blades panels are pre-assembled with metal hanging clips in the top of the panels. See Installation Instructions BPLA-297844 for installation details.

Warranty
Details at armstrongceilings.com

Panel Weight
7190 – 1.6lbs/SF
7191 – 3.3lbs/SF
3920 – 3.2lbs/SF
3921 – 6.5lbs/SF
7192 – 5.1lbs/SF
7193 – 10.4lbs/SF
3922 – 7.0lbs/SF
3923 – 14.4lbs/SF
7194 – 8.9lbs/SF
7195 – 18.3lbs/SF
7240 – 2.9lbs/SF
7241 – 3.5lbs/SF
7242 – 6.7lbs/SF
7243 – 7.2lbs/SF
7244 – 5.9lbs/SF
7245 – 13.7lbs/SF
7246 – 3.2bs/SF
7247 – 7.0lbs/SF
7248 – 6.5lbs/SF
7249 – 14.4lbs/SF

Panels/Carton
4

Minimum Order Quantity
1 carton

TechLine / 1 877 276 7876
armstrongceilings.com/soundscapes
(search: soundscapes blades)
BPCS-5094-1017

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SOUNDSOAK® Baffles

Acoustical Absorbers

UP TO 50% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
			✓	✓				✓	✓				

▲ LOCATION DEPENDENT



Soundsoak® Baffles custom panels series in Sailcloth, Yellow, Navy Blue, and Silver

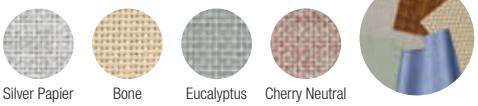
This easy-to-install acoustical option is available in a variety of standard fabrics.

KEY SELECTION ATTRIBUTES

- 100% post-consumer woven fabrics coordinate with Soundsoak® Walls
- On average, one baffle per 40 square feet, or 20% coverage, reduces reverberation time by approximately 50%
- Seismic tested
- Easy to install with sleek, adjustable aircraft cable hanging kit
- Custom Soundsoak® Baffles information available at armstrongceilings.com/baffles

WOVEN FABRIC

Partial list – all fabrics at armstrongceilings.com



Silver Papier (SP) | Bone (BO) | Eucalyptus (EU) | Cherry Neutral (CN) | Custom Fabrics Available

SAILCLOTH FABRIC

Partial list – all colors at armstrongceilings.com



White (SCWE) | Silver (SCSR) | Yellow (SCYW) | Red (SCRD) | Custom Colors Available

VISUAL SELECTION

PERFORMANCE

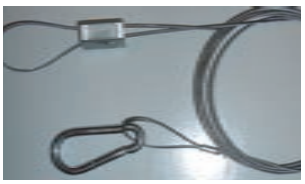
Item No. ◆	Description	Dimensions Nominal W x L x H (Inches) Custom Sizes Available	Mounting	Sabins/ Panel	Fire Rating
SOUNDSOAK Baffles					Composite
6605 _ _	Fabric-wrapped Square Edge with **Fiberglass core**	24 x 48 x 2"	Eye Hooks	14.5	Class A
6607_ _ _ _	Sailcloth Nylon Stitched Sealed Edge with **Fiberglass core**	24 x 48 x 1-1/2"	Grommets	9.5	Class A

◆ When specifying or ordering, include 2- or 4-letter color suffix.

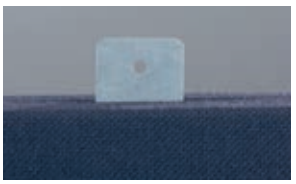
ACCESSORIES

Item Number	Description	Dimensions Nominal W x L x H
5670	Baffle Hanging Kit (2 cables, 2 carabiners, and 2 adjusters)	1/16" x 96" (cable)

INSTALLATION OPTIONS



Hanging Kit



Eye Hook Mounting



Grommet Mounting

PHYSICAL DATA

Material
Rigid fiberglass core

Surface Finish
Nylon or fabric

Fire Performance
6605 - Tested in accordance with ASTM E84 – 25/200; Composite Class A rating per IBC (fabric, substrate, etc.); Tested to CAN/ULC S102 – 25/250

6607 - Tested in accordance with ASTM E84 – 25/200. Composite Class A rating per IBC (fabric, substrate, etc.)

Soundsoak® Baffles, as with other architectural features located in the ceiling plane, may obstruct or skew the existing or planned fire sprinkler water distribution pattern, or possibly delay the activation of the fire sprinkler or fire detection system. Designers and installers are advised to consult a fire protection engineer, NFPA 13, and their local codes for guidance on the proper installation techniques where fire detection or suppression systems are present.

Acoustical Performance
6605 – 1.8 Sabins per square foot
6607 – 1.19 Sabins per square foot

Installation Consideration
Cutting baffles is not recommended.

Seismic Restraint
Refer to ASCE 7-10, Section 13.5 Architectural Components, for seismic requirements. Section 13.5, item 2 refers to 13.2.3 Consequential Damage.

Warranty
Details at armstrongceilings.com

Weight/Square Feet
Bulk packaged per order
6605 – 14 lbs. per Baffle
6607 – 10 lbs. per Baffle

TechLine / 1 877 276-7876
armstrongceilings.com/soundsoak
(search: soundsoak baffles)
BPCS-5095-517

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Armstrong® CEILING & WALL SOLUTIONS

TECTUM® Blades™ and Baffles

Custom Vertical Linear Panels

coarse texture



Tectum® Blades™ custom vertical panels

plus... capabilities to do more



armstrongceilings.com/capabilities

See more photos at: armstrongceilings.com/photogallery

Acoustical vertical panels help control reverberation and add a design element to your interior spaces.

KEY SELECTION ATTRIBUTES

- Upscale linear visual adds acoustics and aesthetics to any space
- Noise Absorption up to 0.41 Sabins/SF
- Panel sizes in 1", 1-1/2", and 2" thickness; widths: 23-3/4" to 47-3/4"; heights from 11-3/4" to 23-3/4"
- Square edges or radius corners; beveled bottom edges available
- Custom shapes available to meet your project needs
- 24" on center spacing



Tectum® Blades™ custom panels

COLORS

Due to printing limitations, shade may vary from actual product.



White (TWH) | Natural (TNA) | Made-to-order Colorations® Colors Available | Made-to-order Sherwin-Williams® Colors Available

Sherwin-Williams® is a registered trademark of the Sherwin-Williams Company

You Can Use Clouds and Canopies to Enhance Design and Acoustical Performance

Acoustical absorption is important to:
- Reduce noise levels and reverberation time
- Enhance speech intelligibility

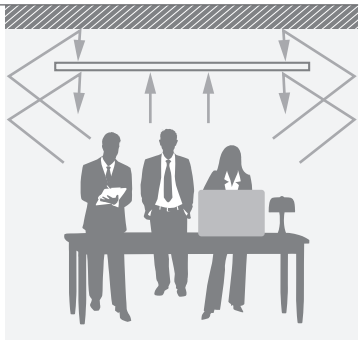
Clouds and canopies can provide sound absorption and are especially effective since they can absorb sound from the front and back of the panels.

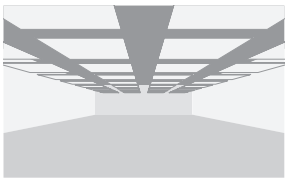
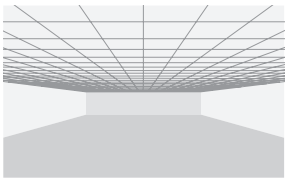
Sabin is the term used to measure acoustics for these ceiling forms. A cloud installation covering about 50% of the ceiling will almost double reverberation time improvement, versus a continuous ceiling, and almost four times that of an exposed structure space. See example below.

Sabin

The preferred metric for measuring acoustics for "space absorbers" like clouds and canopies.

Total acoustical absorption for a suspended ceiling is calculated by multiplying the exposed surface area by the material NRC, while "space absorbers" are directly measured. Acoustical clouds and canopies can provide greater sound absorption than a continuous ceiling of the same surface area because the sound is absorbed from both the front and back surfaces.



Example:	Exposed Structure	Cloud Installation	Continuous Ceiling
			
5,000 SF Exposed Structure (50' x 100'), 15' to deck, drywall with windows on two sides, commercial carpet	**No Treatment (0% Coverage)**	**SoundScapes® Shapes (50% coverage)**	**Continuous Optima® Ceiling (100% Coverage)**
Ceiling	**Exposed Structure**	**156 Shapes: 46" x 46" Squares**	**Suspended 60" Below Deck**
Sabin/SF	0	1.49	0.90
Reverberation Time	3.4 sec	0.9 sec	0.5 sec
RT Improvement	ref	73%	86%
SPL Reduction	ref	-4.5 dB	-6.0 dB

For definitions of acoustical terms, see pages 473-474 in this catalog.



CLOUDS & CANOPIES

CLOUDS, CANOPIES, AND ACOUSTICAL PANELS
At-a-Glance

you inspire™
solutions center
helping to bring your one-of-a-kind ideas to life

CLOUDS



FORMATIONS™ Clouds Pgs. 71-82



INFUSIONS® Shapes Pg. 84



SERPENTINA® Classic Clouds Pgs. 85-86



SERPENTINA® Vault Clouds Pg. 88



SERPENTINA® Waves™ Clouds Pgs. 89-92



SOUNDSCAPES® Shapes Pg. 95-98



TECTUM® Shapes & Clouds Pg. 99



INFUSIONS® & METALWORKS™ Wings
armstrongceilings.com/wings

CANOPIES



INFUSIONS® Accent Canopies Pgs. 83



METALWORKS™ Canopies
armstrongceilings.com/metalworks



SOUNDSCAPES® Acoustical Canopies Pgs. 93-94



SOUNDSCAPES® Basics Canopies
armstrongceilings.com/soundscapes



WOODWORKS® Canopies Pg. 100

ICON KEY

Icons are used throughout the catalog to help you quickly identify key products with high level of performance.

High Acoustics
Sabin measures are noted under physical data for each product.

Fire Performance
Performance in Clouds and Canopies is dependent on panel attributes. See product pages for specific panel performance.

Seismic
Category D, E & F

Light Reflectance
Light reflectance of 0.83 or greater.

BioBlock®
Resists the growth of mold and mildew

Humidity/Sag Resistance
HumiGuard® Plus
Recommended for areas subject to high humidity up to but not including standing water or outdoor applications.

High Durability
Washability
Offers superior wash resistance without compromising panel finish integrity.

Scrubbability
Product is scrubbable. See specific info on product page.

Impact Resistance
Excellent resistance to surface impact.

Scratch Resistance
Excellent resistance to surface scratching, scuffing, or chipping as per Hess Rake Test.

Soil Resistance
Excellent resistance to dirt and/or grease for lasting value and performance.

Color Availability
Available in color.

Recycle Program
Product is recyclable through the Armstrong Recycling Program.

CLOUDS, CANOPIES, AND ACOUSTICAL PANELS
Colors, Finishes, and Patterns

FORMATIONS™ Clouds Colors, finishes, and patterns listed may not apply to each individual product. Before specifying, consult product details at armstrongceilings.com/canopiesandclouds

METALWORKS™ Mesh™ Lay-in Panels (additional options on product pages 135-138)

Woven Wire


Linear Weave


Square Weave


Diamond Weave

Welded Wire


1Cell

Expanded Metal


Lattice

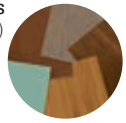
WOODWORKS® Grille and Open Cell Panels
(additional options on pages 185-190, 197-198)


Grille Maple (GMP)


Grille Light Cherry (GLC)


Grille Dark Cherry (GDC)


Grille Walnut (GWN)


Custom Finishes Available

METALWORKS Square Tegular and Vector® Panels
(additional options on pages 121-126)

White (WH)

Silver Grey (SG)


Gun Metal Grey (MY)


Effects™ Maple (FXMP)


Effects Cherry (FXCH)


Effects Dark Cherry (FXDC)


Effects Walnut (FXWN)


Custom Colors and Finishes Available

OPTIMA®/ULTIMA® Tegular and Vector® Panels
(product pages 287-292, 315-320)

White (WH)

INFUSIONS® Accent Canopies and Shapes (additional options on product pages 83-84)

Infusions® Canopies – Channeled

Channeled Mist (CHT)


Channeled Caribbean (CHC)


Channeled Midnight (CHM)


Channeled Sunset (CHS)


Channeled Fire (CHF)


Channeled Vision (CHV)


Channeled Intellect (CHN)


Cultured Pearl (TCP)


Inspiration Ice (TNC)

Infusions® Canopies – Solids


Calm Water (TCW)


Natural Faith (TNF)


Loyalty Latte (TLL)


Caribbean Renewal (TAR)


Sage Happiness (TSH)


Budding Creativity (TBD)

Patterns


Honey Canvas (THC)


Spun Copper (TSC)


Crushed Copper (TCC)


Linen Gold (TLG)


Chalk Folio (TCF)


White Circlets (TWC)

Silver Orbit (TSR)

Tranquility Teal (TTT)

Peace Blue (TPB)

Sheer Iris (TSI)

Blueberry Bliss (TBB)

Saffron Energy (TSE)

Sedona Spirit (TSS)

Red Fire (TRF)

Cinnamon Sanity (TCS)

Indigo Surf (TNS)

Natural Linen (TNL)

Blue Linen (TBL)

Clear Arbor (TCA)

Blue Arbor (TBA)

Infusions® Shapes

Romantic Ruby (TOR)

Modern Mandarin (TMM)

Playful Peach (TPP)

Amiable Almond (TAA)

Gleeful Green (TGG)

Proud Pumpkin (TOP)

Bashful Beige (TAB)

Mellow Moss (TEM)

Artistic Azure (TAZ)

Orange Arbor (TOA)

Red Arbor (TRA)

Crystalline Focus (TCR)

Crystalline Silverado (TSV)

Crystalline Sky (TSY)

Majestic Marine (TJM)

Sensitive Shadow (TVS)

Sincere Seafoam (TCM)

Versatile Violet (TVV)

Grateful Glass (TRG)

Cheerful Cherry (THH)

Joyful Jelly (TJJ)

Refined Reef (TRR)

Refined Lagoon (TRL)

SERPENTINA® Classics, Vault, and SERPENTINA® Waves™ Clouds (additional options on product pages 85-92)

Metal Infills

White (WH)

Cream (CR)

Haze (HA)

Camel (CM)

Platinum (PL)

Tech Black (BL)

Silver Grey (SG)

Silver Satin (SA)

Gun Metal Grey (MY)

Champagne Gold (CG)

Wolf (WK)

Vanilla (VA)

Slate (ST)

RAL® Custom Colors Available

SOUNDSCAPES® Canopies and Clouds
(additional options on product pages 93-98)

White (WH)

Shell (SH)

Pale Lemon (LM)

Pecan (PC)

Sky (SK)

Moss (MS)

Stone (SE)

Reef (RE)

Lagoon (LA)

Plum (PM)

Cranberry (CN)

Kiwi (KW)

Tangerine (TG)

Black (BK)

Made-to-order Sherwin-Williams® Colors Available

TECTUM CLOUDS (product page 99)

Tectum Natural (TNA)

Tectum White (TWH)

Made-to-order Colorations® Colors Available

Made-to-order Sherwin-Williams® Colors Available

WOODWORKS® Canopies (product page 100)

Standard (partial list)

Natural Variations™ Beech (NBE)

Natural Variations Maple (NMP)

Natural Variations Light Cherry (NLC)

Natural Variations Dark Cherry (NDC)

Bamboo Native (BAN)

Bamboo Patina (BAP)

Custom Finishes Available

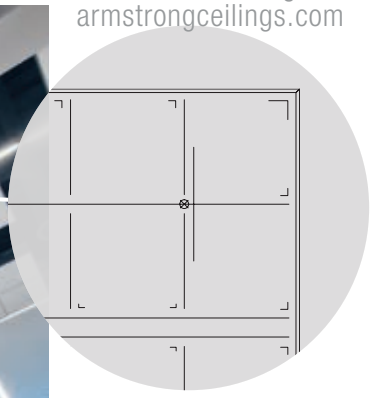
Sherwin-Williams® is a registered trademark of The Sherwin-Williams Company

FORMATIONS™
Acoustical and Accent Cloud Kits

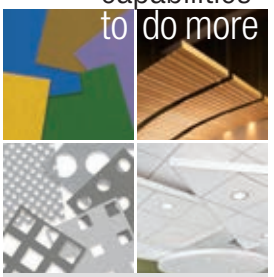
CAD/Revit® drawings at:
armstrongceilings.com



Formations™ Squares with Ultima® Tegular panels and 2" Axiom® Vector® trim



plus...
capabilities
to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Easy-to-specify and install cloud system with pre-cut components and wide range of panel options.

KEY SELECTION ATTRIBUTES

- Ideal for acoustically challenged or open plenum spaces:
  - Reduce acoustical reverberation time in the space
  - Reduce noise levels in the space
  - Increase speech intelligibility
- Clouds appear to float
- Layouts and sizing for full-size panel installation
- Standard components for custom look

Formations Suspension System and Axiom® Trim Kits

- Axiom – made from extruded aluminum, offers better registration, handleability, and finished appearance vs. standard cold-rolled steel
- Axiom® Vector® – maintains a clean 1/4" Vector reveal at the perimeter when used within factory-finished panels
- Combines the Formations™ StrongBack™ mounting system with a sleek, strong aircraft cable system to recess the cable two feet away from the vertical face of the cloud, for a clean visual requiring fewer suspension hangers
- Tested for seismic installations
- Suspension Kits include:
  - Axiom Trim cut to length with factory-mitered corners
  - Unique Axiom trim for Formations Support Hanger carrying channel
  - Prelude® XL® suspension system components, cut to length
  - Appropriate amount of Axiom splices and T-Bar connectors
  - Aircraft cable and hardware for attachment to structure

FORMATIONS™
Acoustical and Accent Cloud Kits

STEP 1: START BY CHOOSING THE FORMATIONS™ ACCENT AND ACOUSTICAL CLOUD KITS THAT FIT YOUR PROJECT NEEDS

Cloud Type	Description
	**Formations Curves** Soften and quiet any space by adding a few curves. • 12 suspension system/trim colors • 3 standard trim heights • 19 shapes and sizes
	**Formations Squares/Rectangles** A bold, captivating design option with outstanding sound absorption. • 12 suspension system/trim colors • 3 standard trim heights • 15 shapes and sizes
	**Formations Squares/Rectangles with Staggered Designs** Create visually interesting clouds the easy way. • 12 suspension system/trim colors • 3 standard trim heights • 78 shapes and sizes
	**Formations Squares/Rectangles with Plank Designs** Reduce the amount of visible suspension and create a sleek, clean look. • 12 suspension system/trim colors • 3 standard trim heights • 36 shapes and sizes
	**Formations Squares/Rectangles for Drywall** Improved floating visual compared to field constructed track and channeled clouds. • 3 standard trim heights • 21 shapes and sizes
	**Formations Squares/Rectangles with Integrated Lighting** Distribute safe, low-voltage direct current electrical power through the acoustical ceiling suspension system (grid) for more efficient lighting. • 2 standard trim heights • 3 suspension systems • 4 shapes and sizes
	**Formations Squares/Rectangles with DC FlexZone™ Suspension System** Distribute safe, low-voltage direct current (DC) electrical power through the acoustical ceiling suspension system (grid) for more efficient lighting. • 2 standard trim heights • 2 suspension systems • 12 shapes and sizes

FORMATIONS™
Acoustical and Accent Cloud Kits

STEP 2: SELECT A CEILING PANEL THAT WORKS WITH YOUR CLOUD
Panels specified, ordered and shipped separately from Formations™ kits

ACOUSTICAL PANELS
Due to printing limitations, shade may vary from actual product

Curves / DC FlexZone™ / with Integrated Lighting
Optima®/Ultima® Tegular and Vector® Panels

Optima Tegular & Vector | Ultima Tegular & Vector

NOTE: Ultima® and Optima® Vector® panels are the only available as factory-cut curved panels. Other 24" x 24" mineral fiber/fiberglass panels may be used but may require field cutting.

Staggered & Planks
Optima Vector Panels

Optima Vector

Squares
Lyra®/Calla®/Optima/Ultima/Cirrus®/Cortega®/Dune™/Fine Fissured™ Tegular, Vector®, and Square Lay-in Panels



Calla Beveled Tegular & Square Lay-in | Lyra Tegular & Square Lay-in | Optima Tegular & Vector | Ultima Tegular & Vector | Cirrus Tegular | Dune Tegular | Fine Fissured Tegular | Cortega Tegular

MetalWorks™ Square Tegular and Vector Panels



Micro-perforated | Extra Micro-perforated | White (WH) | Silver Grey (SG) | Gun Metal Grey (MY) | Custom Colors and Finishes Available



Effects™ Maple (FXMP) | Effects Cherry (FXCH) | Effects Dark Cherry (FXDC) | Effects Walnut (FXWN)

NOTE: Effects colors are only available for extra microperforated panels. Solid wood panels cannot be used in Formations clouds.

Ultima® Health Zone™ Create!™ Lay-in Panels



Bamboo (BA) | Barnwood (BW) | Light Cherry (LC) | Oak (OK) | Walnut (WN)

For more information on Create! panels visit armstrongceilings.com/create

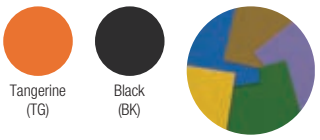
COLORATIONS® COLORS



White (WH) | Shell (SH) | Pale Lemon (LM) | Pecan (PC) | Sky (SK) | Moss (MS)



Stone (SE) | Reef (RE) | Lagoon (LA) | Plum (PM) | Cranberry (CN) | Kiwi (KW)



Tangerine (TG) | Black (BK) | Made-to-order Sherwin-Williams® Colors Available

Standard Colorations® finishes available on coordinating Calla® ceiling panels, Suprafine® 9/16" suspension system, and select Axiom® trim.

ACCENT PANELS
Due to printing limitations, shade may vary from actual product.

Squares
MetalWorks™ Mesh™ Lay-in Panels



White (TWH) | Silver Grey (SG) | Gun Metal Grey (MY) | Tech Black (BL)

WoodWorks® Grille Tegular Panels
Open Cell Vector Panels (5 panel designs)



Grille Maple (GMP) | Grille Light Cherry (GLC) | Grille Dark Cherry (GDC) | Grille Walnut (GWN) | Custom Finishes Available

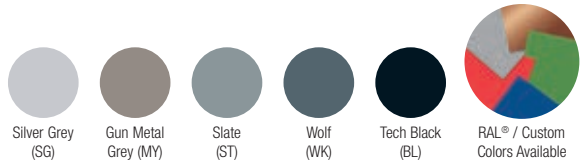
NOTE: For a complete list of panels, visit armstrongceilings.com/metalworks; armstrongceilings.com/woodworks

STEP 3: SELECT YOUR SUSPENSION SYSTEM AND TRIM COLORS
Due to printing limitations, shade may vary from actual product

Suspension System / Axiom® Trim Colors



White (WH) | Cream (CR) | Haze (HA) | Camel (CM) | Vanilla (VA) | Platinum (PL) | Silver Satin (SA)

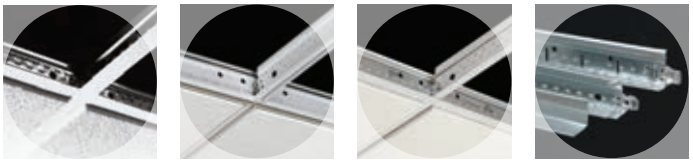


Silver Grey (SG) | Gun Metal Grey (MY) | Slate (ST) | Wolf (WK) | Tech Black (BL) | RAL® / Custom Colors Available

Drywall | **DC FlexZone**

Unfinished (UF) | White (WH)

SUSPENSION SYSTEMS



Prelude® 15/16" suspension system included in all kits (except Drywall or DC FlexZone suspension system)

DC FlexZone™ Silhouette® 1/4" Reveal 9/16" suspension system

DC FlexZone Suprafine® 9/16" suspension system

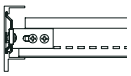
Drywall 1-1/2" suspension system

FORMATIONS™
Acoustical and Accent Cloud Kits

STEP 4: SELECT YOUR AXIOM® TRIM PROFILE AND HEIGHT

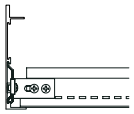
AXIOM® TRIM TYPES

Axiom® Vector® Trim for Formations™



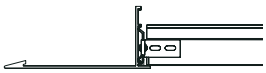
2", 4", and 6" heights

Axiom Vector (Inverted) Trim for Formations
(Lay-in and Tegular panels)

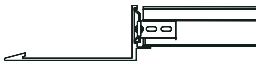


2", 4", and 6" heights

Axiom® Knife Edge® Trim for Formations
(Lay-in and Tegular panels)



Axiom Knife Edge Vector Trim for Formations



AXIOM TRIM PROFILE OPTIONS



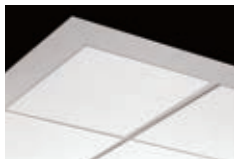
Axiom for Formations Vector Trim (available in 2", 4", and 6" heights)



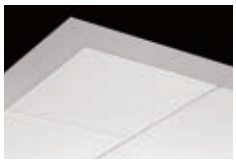
Vector panel with Axiom for Formations Vector Trim (available in 2", 4", and 6" heights)



Tegular panel with inverted Axiom for Formations Vector Trim (available in 2", 4", and 6" heights)



Tegular panel with Axiom for Formations Knife Edge for Vector Trim



Vector panel with Axiom for Formations Knife Edge for Vector Trim

ENSURE YOUR TRIM IS COMPATIBLE WITH YOUR CEILING PANEL CHOICE.

Compatible Ceiling Panels		Trim Choices:			
Edge Profile	Panel	Axiom Vector	Axiom Vector (Inverted)	Axiom Knife Edge	Axiom Knife Edge Vector
Formations Curves		Available in 2", 4", and 6" heights	Available in 2", 4", and 6" heights		
	Lay-in	–	•	–	–
	Optima® Square Tegular	–	–	–	–
	Optima® Vector® (Factory-cut)	•	–	–	–
	Ultima® Beveled Tegular	–	•	–	–
	Ultima® Vector (Factory-cut)	•	–	–	–
Formations Squares					
	Lay-in	–	•	•	–
	Calla® Square Tegular	•	•	•	•
	Lyra® Square Tegular	•	•	•	•
	Optima Square Tegular	•	•	•	•
	Optima Vector	•	–	–	•
	Ultima® Beveled Tegular	•	•	•	•
	Ultima Vector	•	–	–	•
	Cirrus®/Cortega®/ Dune™/ Fine Fissured™ Angled Tegular	–	•	•	–

Compatible Ceiling Panels		Trim Choices:			
Edge Profile	Panel	Axiom Vector	Axiom Vector (Inverted)	Axiom Knife Edge	Axiom Knife Edge Vector
Formations Squares		Available in 2", 4", and 6" heights	Available in 2", 4", and 6" heights		
	Ultima® Health Zone™ Create!™ Square Lay-in	–	•	•	–
	MetalWorks™ Square Tegular	•	•	•	•
	MetalWorks Vector	•	–	–	•
	WoodWorks® Grille Tegular	•	•	•	•
	WoodWorks Open Cell Vector	•	–	–	–
Formations Planks & Staggered					
	Optima Vector	•	–	–	–
Formations for Drywall					
	N/A	Axiom Drywall Trim			
Formations with DC FlexZone™ Suspension System					
	Optima Square Tegular	•*	–	–	–
	Ultima Beveled Tegular	•*	–	–	–

* 2" trim height not available with DC FlexZone suspension system

FORMATIONS™ Acoustical and Accent Cloud Kits – Circles

LEED® Applies to standard kits only

energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

▲ LOCATION DEPENDENT

STEP 5: SPECIFY KITS, COLORS, AND PANEL SELECTIONS

HOW TO SPECIFY

Based on the cloud size and shape you choose, you need to specify and order the suspension and trim kit item number, the special factory-cut curved Vector® panel kit number, and any extra cartons of the infill panels you may need.

Standard circle and rounded square clouds feature 15/16" Prelude® suspension system and your choice of 2", 4", or 6" high Axiom® Vector® Trim.

EXAMPLE:

C4VES 0606C _ _

4" High Axiom® Vector® Trim	6' x 6' Cloud	Color Suffix◆

Also order curved Optima® Vector® Panel Kit: 3970

Custom options available that include a wide range of Axiom trim and suspension system options.

◆ If specifying a color other than White, remember to add the color suffix at the end of the Suspension Kit item number.

VISUAL SELECTION

Cloud Size (Feet)		Suspension Kit Item No. ◆ (Axiom Trim & Suspension System)
Curves		15/16" Prelude
6'	Circle	**C _ VES0606C _ _**
6' x 8'	Oval	**C _ VES0608 _ _**
6' x 10'	Oval	**C _ VES0610 _ _**
6' x 12'	Oval	**C _ VES0612 _ _**
6' x 14'	Oval	**C _ VES0614 _ _**
8'	Circle	**C _ VES0808C _ _**
8' x 8'	Rounded Square	**C _ VES0808 _ _**
8' x 10'	Rounded Square	**C _ VES0810 _ _**
8' x 12'	Rounded Square	**C _ VES0812 _ _**
8' x 14'	Rounded Square	**C _ VES0814 _ _**
10'	Circle	**C _ VES1010C _ _**
10' x 10'	Rounded Square	**C _ VES1010 _ _**
10' x 12'	Rounded Square	**C _ VES1012 _ _**
10' x 14'	Rounded Square	**C _ VES1014 _ _**
11'-5"	Circle	**C _ VES1212C _ _**
12' x 12'	Rounded Square	**C _ VES1212 _ _**
12' x 14'	Rounded Square	**C _ VES1214 _ _**
14'	Circle	**C _ VES1414C _ _**
14' x 14'	Rounded Square	**C _ VES1414 _ _**

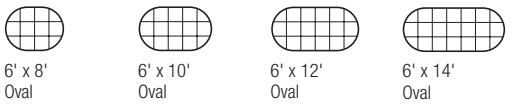
PANEL SELECTION

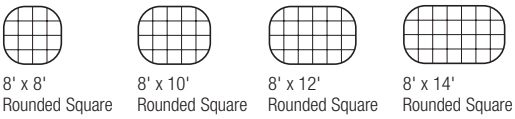
Optima® Vector® Factory-cut Curved Panels		
Kit No.	Cartons Required	Required Extra Item 3900 24" x 24" (Ctns)
3970	1	0
3971	1	1
3971	1	1
3971	1	1
3971	1	1
3973	1	1
3972	1	1
3972	1	1
3972	1	1
3972	1	2
3974	2	1
3972	1	2
3972	1	2
3972	1	2
3975	2	2
3972	1	2
3972	1	3
3976	2	3
3972	1	4

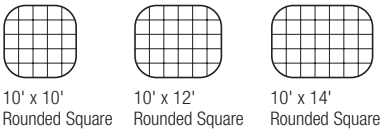
Ultima® Vector® Factory-cut Curved Panels		
Kit No.	Cartons Required	Required Extra Item 1920 24" x 24" (Ctns)
1970	1	0
1971	1	1
1971	1	1
1971	1	1
1971	1	1
1973	1	1
1972	1	1
1972	1	1
1972	1	1
1972	1	2
1974	2	1
1972	1	2
1972	1	2
1972	1	2
1975	2	2
1972	1	2
1972	1	3
1976	2	3
1972	1	4

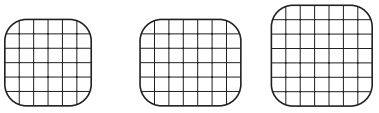
CLOUD SHAPE AND SIZE SELECTION

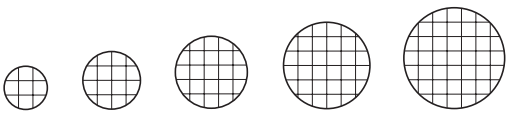
Curves



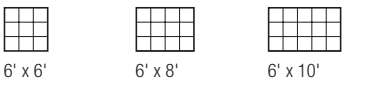


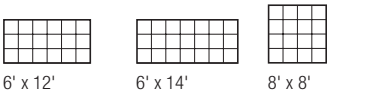


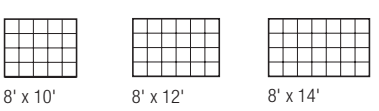


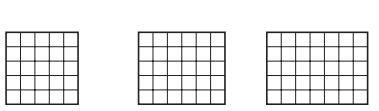


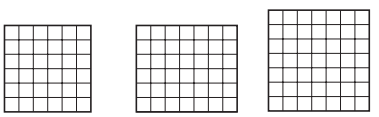
Squares











FORMATIONS™ Acoustical and Accent Cloud Kits – Squares & Rectangles

76% ULTIMA 71% OPTIMA RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED® Applies to standard kits only

energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD ✓ | recyclable/ extended producer resp. ✓ | biobased materials ✓ | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting ✓ | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

STEP 5 (continued): SPECIFY KITS, COLORS, AND PANEL SELECTIONS

HOW TO SPECIFY

Based on the cloud size and shape you choose, you need to specify and order the suspension and trim kit item number and the panel item number.

Standard square and rectangle clouds feature 15/16" Prelude® suspension system and your choice of 2", 4", or 6" high Axiom® Vector® Trim, Axiom® Knife Edge® Tegular or Vector Trim.

EXAMPLE:

C4VES 0606C _ _

4" High Axiom Vector Trim	6' x 6' Cloud	Color Suffix◆

Also order square Optima® Vector Panel Kit: 3900 (24" x 24" panels – 1 carton).

Custom options available that include a wide range of Axiom trim and suspension system options.

◆ If specifying a color other than White, remember to add the color suffix at the end of the Suspension Kit item number.

VISUAL SELECTION

Cloud Size	Axiom Profile	Suspension Kit Item No. ◆ (Axiom Trim & Suspension System)
Squares/Rectangles		15/16" Prelude
6' x 6'	Vector	**C _ VEA0606 _ _**
	Knife Edge Tegular	**CKETA0606 _ _**
	Knife Edge Vector	**CKEVA0606 _ _**
6' x 8'	Vector	**C _ VEA0608 _ _**
	Knife Edge Tegular	**CKETA0608 _ _**
	Knife Edge Vector	**CKEVA0608 _ _**
6' x 10'	Vector	**C _ VEA0610 _ _**
	Knife Edge Tegular	**CKETA0610 _ _**
	Knife Edge Vector	**CKEVA0610 _ _**
6' x 12'	Vector	**C _ VEA0612 _ _**
	Knife Edge Tegular	**CKETA0612 _ _**
	Knife Edge Vector	**CKEVA0612 _ _**
6' x 14'	Vector	**C _ VEA0614 _ _**
	Knife Edge Tegular	**CKETA0614 _ _**
	Knife Edge Vector	**CKEVA0614 _ _**
8' x 8'	Vector	**C _ VEA0808 _ _**
	Knife Edge Tegular	**CKETA0808 _ _**
	Knife Edge Vector	**CKEVA0808 _ _**
8' x 10'	Vector	**C _ VEA0810 _ _**
	Knife Edge Tegular	**CKETA0810 _ _**
	Knife Edge Vector	**CKEVA0810 _ _**
8' x 12'	Vector	**C _ VEA0812 _ _**
	Knife Edge Tegular	**CKETA0812 _ _**
	Knife Edge Vector	**CKEVA0812 _ _**
8' x 14'	Vector	**C _ VEA0814 _ _**
	Knife Edge Tegular	**CKETA0814 _ _**
	Knife Edge Vector	**CKEVA0814 _ _**
10' x 10'	Vector	**C _ VEA1010 _ _**
	Knife Edge Tegular	**CKETA1010 _ _**
	Knife Edge Vector	**CKEVA1010 _ _**
10' x 12'	Vector	**C _ VEA1012 _ _**
	Knife Edge Tegular	**CKETA1012 _ _**
	Knife Edge Vector	**CKEVA1012 _ _**
10' x 14'	Vector	**C _ VEA1014 _ _**
	Knife Edge Tegular	**CKETA1014 _ _**
	Knife Edge Vector	**CKEVA1014 _ _**
12' x 12'	Vector	**C _ VEA1212 _ _**
	Knife Edge Tegular	**CKETA1212 _ _**
	Knife Edge Vector	**CKEVA1212 _ _**
12' x 14'	Vector	**C _ VEA1214 _ _**
	Knife Edge Tegular	**CKETA1214 _ _**
	Knife Edge Vector	**CKEVA1214 _ _**
14' x 14'	Vector	**C _ VEA1414 _ _**
	Knife Edge Tegular	**CKETA1414 _ _**
	Knife Edge Vector	**CKEVA1414 _ _**

PANEL SELECTION

Optima® Vector® Panels	Ultima® Vector® Panels	Optima Tegular Panels	Ultima® Tegular Panels
Item 3900 (Ctns)	Item 1920 (Ctns)	Items 3250, 3354, 3253 (Ctns)	Item 1911 (Ctns)
1	1	1**	1**
–	–	1	1
1	1	–	–
1	1	1**	1**
–	–	1	1
1	1	–	–
2	2	1**	2**
–	–	1	2
2	2	–	–
2	2	1**	2**
–	–	1	2
2	2	–	–
2	2	1**	2**
–	–	1	2
2	2	–	–
2	2	1**	2**
–	–	1	2
2	2	–	–
2	2	1**	2**
–	–	1	2
2	2	–	–
2	2	1**	2**
–	–	1	2
2	2	–	–
2	2	1**	3**
–	–	1	3
2	2	–	–
2	3	2**	3**
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2	3	–	–
3	3	2**	3**
–	–	2	3
3	3	–	–
3	3	2**	3**
–	–	2	3
3	3	–	–
3	3	2**	3**
–	–	2	3
3	3	–	–
4	4	2**	4**
–	–	2	4
4	4	–	–
5	5	3**	5**
–	–	3	5
5	5	–	–

** These items use Axiom for Formations Vector Trim (inverted).

MORE PANEL OPTIONS

Place these panel orders with Armstrong Ceilings Customer Service – 1 877 276 7876

Panel options featured on pg. 59

Calla®
Cirrus®
Cortega®
Dune™
Fine Fissured™
Lyra®
Ultima® Health Zone™ Create!™
MetalWorks™ Tegular
MetalWorks™ Vector®
MetalWorks™ Mesh™
WoodWorks® Grille Tegular
WoodWorks Open Cell

FORMATIONS™ Acoustical and Accent Cloud Kits – Staggered

76% ULTIMA 71% OPTIMA RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED® Applies to standard kits only

energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

▲ LOCATION DEPENDENT

STEP 5 (continued): SPECIFY KITS, COLORS, AND PANEL SELECTIONS

HOW TO SPECIFY

Based on the cloud size and shape you choose, you need to specify and order the suspension and trim kit item number and the panel item numbers.

Standard staggered clouds feature 15/16" Prelude® suspension system and your choice of 2", 4", or 6" high Axiom® Vector® Trim.

EXAMPLE:

0606 V2A 1222V _ _

6' x 6' Cloud	2" High Axiom® Vector® Trim	1' x 2' / 2' x 2' Optima® Vector® Panels	Color Suffix◆

Also order staggered Optima® Vector Panel Kits: 3903 (12" x 24" panels – 1 carton) and 3900 (24" x 24" panels – 1 carton).

◆ If specifying a color other than White, remember to add the color suffix at the end of the Suspension Kit item number.

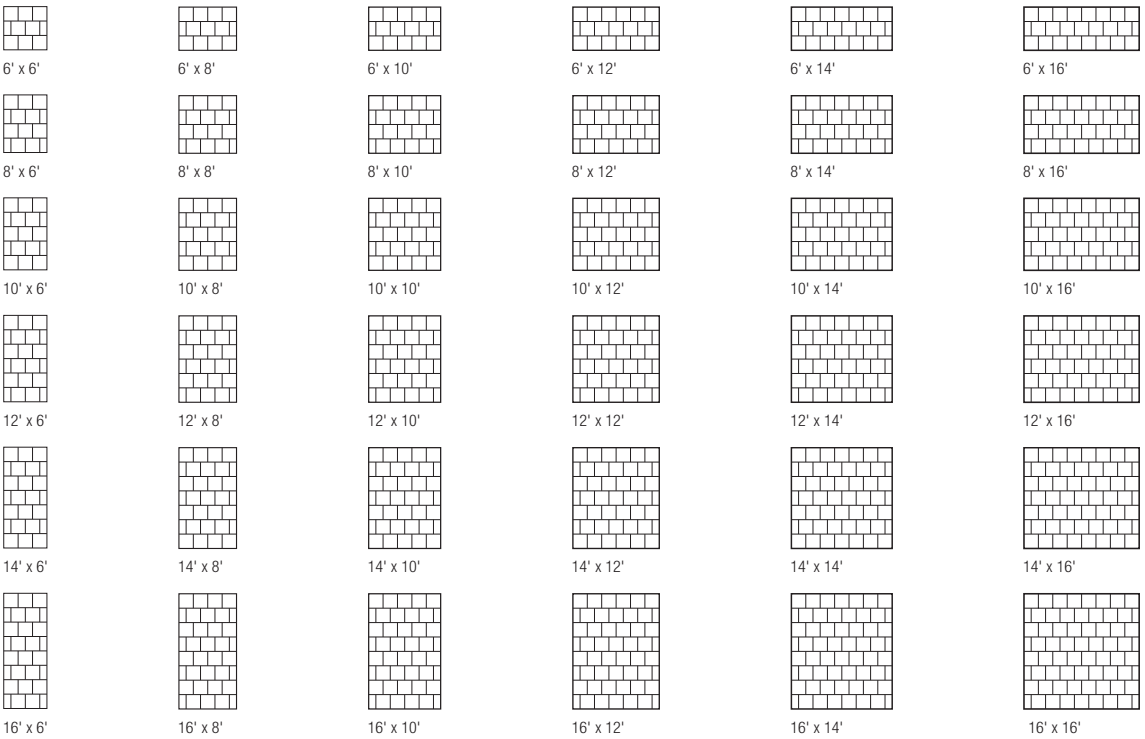
VISUAL SELECTION

Cloud Size (Feet)	Suspension Kit Item No. ◆ (Axiom Trim & Suspension System)	Optima® Vector® Panels: 12" x 24" / 24" x 24" Item 3903 / 3900 (Ctns)	Optima® Vector® Panels: 24" x 24" / 24" x 48" Item 3900 / 3908 (Ctns)	Optima® Vector® Panels: 24" x 48" / 24" x 96" Item 3908 / 3907 (Ctns)
Staggered	15/16" Prelude			
6' x 6'	**0606V _ A _ _ _ _ V _ _**	1 / 1	1 / 1	–
6' x 8'	**0608V _ A _ _ _ _ V _ _**	1 / 1	1 / 1	–
6' x 10'	**0610V _ A _ _ _ _ V _ _**	1 / 2	1 / 1	–
6' x 12'	**0612V _ A _ _ _ _ V _ _**	1 / 2	1 / 1	–
6' x 14'	**0614V _ A _ _ _ _ V _ _**	1 / 2	1 / 1	–
6' x 16'	**0616V _ A _ _ _ _ V _ _**	1 / 2	1 / 1	1 / 1
8' x 6'	**0806V _ A _ _ _ _ V _ _**	1 / 1	1 / 1	–
8' x 8'	**0808V _ A _ _ _ _ V _ _**	1 / 2	1 / 1	–
8' x 10'	**0810V _ A _ _ _ _ V _ _**	1 / 2	1 / 1	–
8' x 12'	**0812V _ A _ _ _ _ V _ _**	1 / 2	1 / 1	–
8' x 14'	**0814V _ A _ _ _ _ V _ _**	1 / 3	1 / 1	–
8' x 16'	**0816V _ A _ _ _ _ V _ _**	1 / 3	1 / 2	1 / 1
10' x 6'	**1006V _ A _ _ _ _ V _ _**	1 / 2	1 / 1	–
10' x 8'	**1008V _ A _ _ _ _ V _ _**	1 / 2	1 / 1	–
10' x 10'	**1010V _ A _ _ _ _ V _ _**	1 / 2	1 / 1	–
10' x 12'	**1012V _ A _ _ _ _ V _ _**	1 / 3	1 / 2	–
10' x 14'	**1014V _ A _ _ _ _ V _ _**	1 / 3	1 / 2	–
10' x 16'	**1016V _ A _ _ _ _ V _ _**	1 / 4	1 / 2	1 / 2
12' x 6'	**1206V _ A _ _ _ _ V _ _**	1 / 2	1 / 1	–
12' x 8'	**1208V _ A _ _ _ _ V _ _**	1 / 2	1 / 1	–
12' x 10'	**1210V _ A _ _ _ _ V _ _**	1 / 3	1 / 1	–
12' x 12'	**1212V _ A _ _ _ _ V _ _**	1 / 3	1 / 2	–
12' x 14'	**1214V _ A _ _ _ _ V _ _**	1 / 4	1 / 2	–
12' x 16'	**1216V _ A _ _ _ _ V _ _**	1 / 4	1 / 2	1 / 2
14' x 6'	**1406V _ A _ _ _ _ V _ _**	1 / 2	1 / 1	–
14' x 8'	**1408V _ A _ _ _ _ V _ _**	1 / 3	1 / 1	–
14' x 10'	**1410V _ A _ _ _ _ V _ _**	1 / 3	1 / 2	–
14' x 12'	**1412V _ A _ _ _ _ V _ _**	1 / 4	1 / 2	–
14' x 14'	**1414V _ A _ _ _ _ V _ _**	1 / 4	1 / 2	–
14' x 16'	**1416V _ A _ _ _ _ V _ _**	1 / 5	1 / 3	1 / 2
16' x 6'	**1606V _ A _ _ _ _ V _ _**	1 / 2	1 / 1	–
16' x 8'	**1608V _ A _ _ _ _ V _ _**	1 / 3	1 / 1	–
16' x 10'	**1610V _ A _ _ _ _ V _ _**	1 / 3	1 / 2	–
16' x 12'	**1612V _ A _ _ _ _ V _ _**	1 / 4	1 / 2	–
16' x 14'	**1614V _ A _ _ _ _ V _ _**	1 / 5	1 / 2	–
16' x 16'	**1616V _ A _ _ _ _ V _ _**	1 / 5	1 / 3	1 / 2

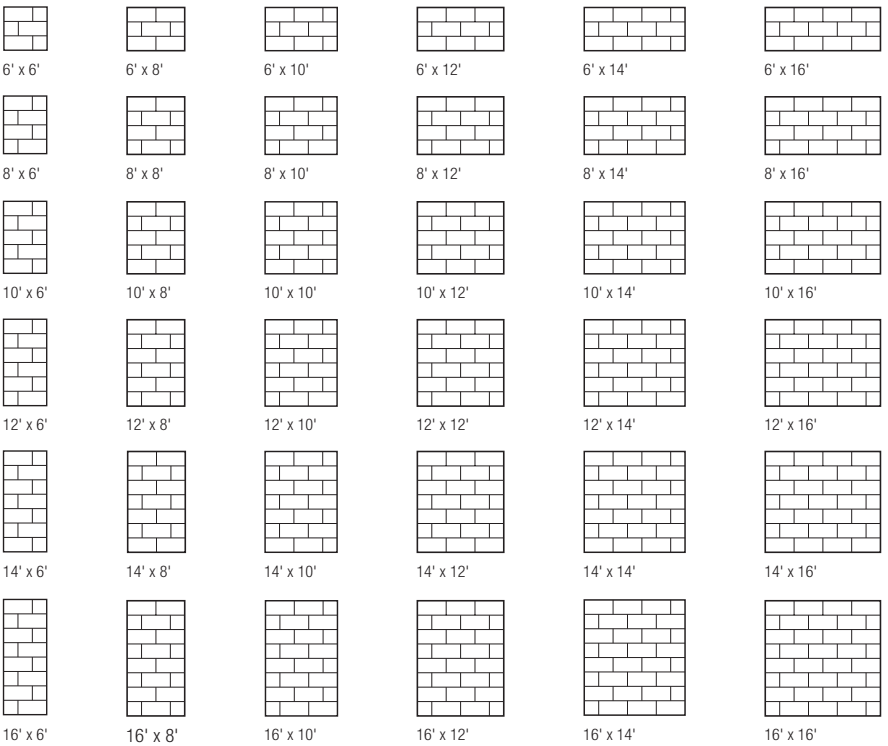
FORMATIONS™ Acoustical and Accent Cloud Kits – Staggered

STAGGERED CLOUD SHAPE AND SIZE SELECTION

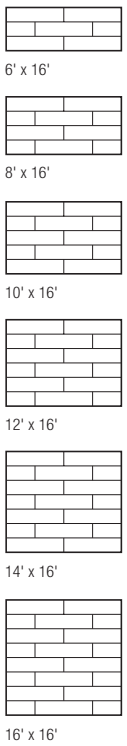
12" X 24" / 24" X 24" PANELS



24" X 24" / 24" X 48" PANELS



24" X 48" / 24" X 96" PANELS



FORMATIONS™ Acoustical and Accent Cloud Kits – Planks

76% ULTIMA 71% OPTIMA RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED® Applies to standard kits only

energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD ✓ | recyclable/ extended producer resp. ✓ | biobased materials ✓ | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting ✓ | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

STEP 5 (continued): SPECIFY KITS, COLORS, AND PANEL SELECTIONS

HOW TO SPECIFY

Based on the cloud size and shape you choose, you need to specify and order the suspension and trim kit item number and the panel item number.

Standard plank clouds feature 15/16" Prelude® suspension system and your choice of 2", 4", or 6" high Axiom® Vector® Trim.

EXAMPLE:

1210 V4P 26V _ _

12' x 10' Cloud	4" High Axiom Vector Trim	2' x 6' Optima Vector Panels	Color Suffix◆

Also order plank Optima® Vector® Panel Kit: 3906 (2' x 6' – 1 carton).

◆ If specifying a color other than White, remember to add the color suffix at the end of the Suspension Kit item number.

VISUAL SELECTION

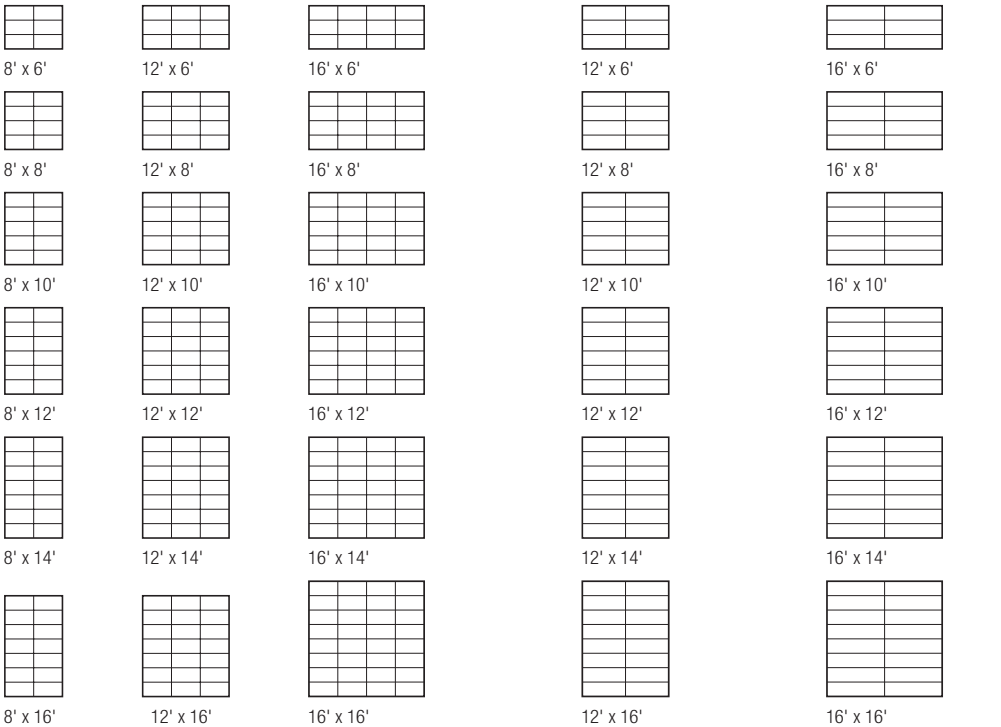
Cloud Size	Suspension Kit Item No. ◆ (Axiom Vector Trim & Suspension System)
Planks	15/16" Prelude
8' x 6'	**0806V _ P24V _ _**
8' x 8'	**0808V _ P24V _ _**
8' x 10'	**0810V _ P24V _ _**
8' x 12'	**0812V _ P24V _ _**
8' x 14'	**0814V _ P24V _ _**
8' x 16'	**0816V _ P24V _ _**
12' x 6'	**1206V _ P _ _ V _ _**
12' x 8'	**1208V _ P _ _ V _ _**
12' x 10'	**1210V _ P _ _ V _ _**
12' x 12'	**1212V _ P _ _ V _ _**
12' x 14'	**1214V _ P _ _ V _ _**
12' x 16'	**1216V _ P _ _ V _ _**
16' x 6'	**1606V _ P _ _ V _ _**
16' x 8'	**1608V _ P _ _ V _ _**
16' x 10'	**1610V _ P _ _ V _ _**
16' x 12'	**1612V _ P _ _ V _ _**
16' x 14'	**1614V _ P _ _ V _ _**
16' x 16'	**1616V _ P _ _ V _ _**

PANEL SELECTION

Optima® Vector® Panels		
2' x 4'	2' x 6'	2' x 8'
Item 3908 (Ctns)	Item 3906 (Ctns)	Item 3907 (Ctns)
1	–	–
1	–	–
1	–	–
2	–	–
2	–	–
2	–	–
1	2	–
2	2	–
2	2	–
2	3	–
2	3	–
3	3	–
2	–	2
2	–	2
2	–	2
3	–	3
3	–	3
3	–	3

PLANKS CLOUD SHAPE AND SIZE SELECTION

24" x 48" Panels



24" x 72" Panels

24" x 96" Panels

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FORMATIONS™
Cloud Kits for Drywall

25% STEEL 50% ALUMINUM RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED® Applies to standard kits only

energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
	✓	✓	✓					✓	✓			

▲ LOCATION DEPENDENT



Formations™ Drywall Clouds – 10' x 14' with 6" Axiom® one-piece Drywall Trim

This pre-engineered drywall cloud kit looks great every time.

KEY SELECTION ATTRIBUTES

- Pre-cut suspension system components, perimeter trim, and easy-to-adjust aircraft hanging cables make assembly and installation fast and easy
- Perimeter trim integrates with 5/8" thick drywall (not included in kit)
- Improved floating visual compared to black iron and hat channel built drywall clouds

TYPICAL APPLICATIONS

- Auditoriums
- Performance venues
- Open plenum spaces

COLOR

Unfinished (UF)

STEP 5 (continued): SPECIFY KITS, COLORS, AND PANEL SELECTIONS

HOW TO SPECIFY

Based on the cloud size and shape you choose, you need to specify and order the suspension and trim kit item number. Formations™ Drywall cloud kits are only compatible with 5/8" thick drywall.

Standard drywall cloud kits feature your choice of 2", 4", or 6" high Unfinished Axiom® Drywall Trim for easy on-site painting.

EXAMPLE:

0404D A1P6UF

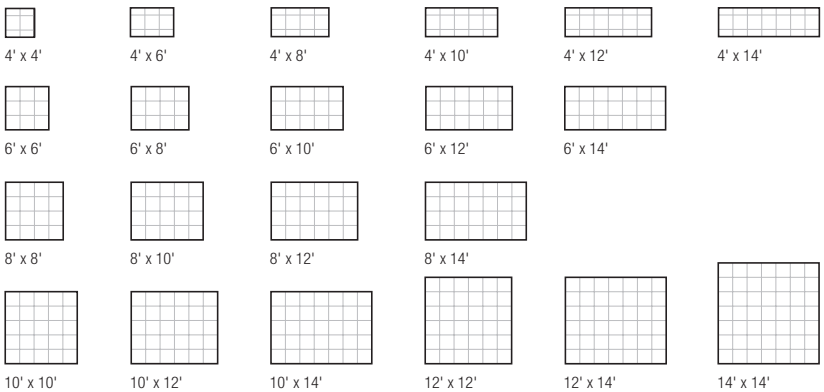
4' x 4' Drywall Cloud	6" High Axiom One-piece Drywall Trim Unfinished

VISUAL SELECTION

Cloud Size	Suspension Kit Item No. (Axiom Trim & Suspension System)
Drywall	1-1/2" Drywall Grid
4' x 4'	**0404DA1P_ UF**
4' x 6'	**0406DA1P_ UF**
4' x 8'	**0408DA1P_ UF**
4' x 10'	**0410DA1P_ UF**
4' x 12'	**0412DA1P_ UF**
4' x 14'	**0414DA1P_ UF**
6' x 6'	**0606DA1P_ UF**
6' x 8'	**0608DA1P_ UF**
6' x 10'	**0610DA1P_ UF**
6' x 12'	**0612DA1P_ UF**
6' x 14'	**0614DA1P_ UF**

Cloud Size	Suspension Kit Item No. (Axiom Trim & Suspension System)
Drywall	1-1/2" Drywall Grid
8' x 8'	**0808DA1P_ UF**
8' x 10'	**0810DA1P_ UF**
8' x 12'	**0812DA1P_ UF**
8' x 14'	**0814DA1P_ UF**
10' x 10'	**1010DA1P_ UF**
10' x 12'	**1012DA1P_ UF**
10' x 14'	**1014DA1P_ UF**
12' x 12'	**1212DA1P_ UF**
12' x 14'	**1214DA1P_ UF**
14' x 14'	**1414DA1P_ UF**

DRYWALL CLOUD SHAPE AND SIZE SELECTION



FORMATIONS™ with DC FLEXZONE™ Suspension Systems

Acoustical Clouds

77% ULTIMA 71% OPTIMA RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED® Applies to standard kits only

energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

▲ LOCATION DEPENDENT



Formations™ Squares and Rectangles with Ultima® Tegular Panels and Axiom® for Formations 4" and 6" Trim

This pre-engineered acoustical cloud is integrated with DC FlexZone™ suspension system, Axiom® trim, and DC lighting control system.

KEY SELECTION ATTRIBUTES

- Ideal for open plenum spaces or acoustically challenged space.
- Clouds reduce acoustical reverberation time and noise levels while increasing speech intelligibility
- Formations™ cloud kits include aircraft cables and StrongBack™ suspension system for reduced suspension visibility and improved floating visual

TYPICAL APPLICATIONS

- Sustainable buildings of all types

COLOR

White (WH)

STEP 5 (continued): SPECIFY KITS, COLORS, AND PANEL SELECTIONS

HOW TO SPECIFY

Based on the cloud size and shape you choose, you need to specify and order the suspension and trim kit item number, the panel item number you select, and any lighting or control options you choose to include.

Standard DC FlexZone clouds feature DC FlexZone 9/16" Suprafine® or Silhouette® 1/4" Reveal suspension system and your choice of 4" or 6" high Axiom® Vector® Trim.

EXAMPLE:

DC1014	TSL	AV4
10' x 14' Cloud	Silhouette® XL 1/4" Reveal	4" High Axiom® Vector® Trim

Also order Ultima® Panel Kit: 1912 (24" x 24" – 3 cartons).

Order compatible lighting, power supply, cables, and controls through DC FlexZone partner sites.

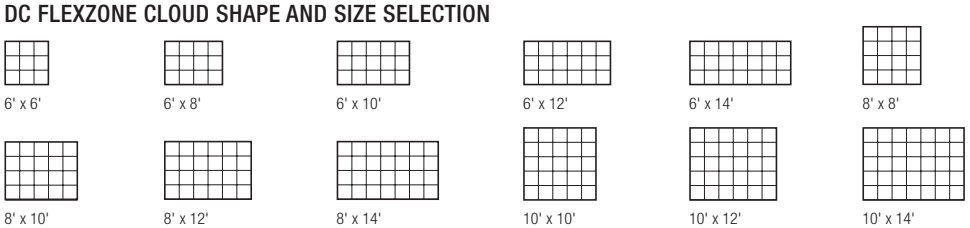
VISUAL SELECTION

Cloud Size (Feet)	Suspension Kit Item No. (Axiom Trim & Suspension System)	
DC FlexZone™	9/16" Silhouette™ XL 1/4" Reveal	9/16" Suprafine™ XL
6' x 6'	**DC0606TSLAV _**	**DC0606TSFAV _**
6' x 8'	**DC0608TSLAV _**	**DC0608TSFAV _**
6' x 10'	**DC0610TSLAV _**	**DC0610TSFAV _**
6' x 12'	**DC0612TSLAV _**	**DC0612TSFAV _**
6' x 14'	**DC0614TSLAV _**	**DC0614TSFAV _**
8' x 8'	**DC0808TSLAV _**	**DC0808TSFAV _**
8' x 10'	**DC0810TSLAV _**	**DC0810TSFAV _**
8' x 12'	**DC0812TSLAV _**	**DC0812TSFAV _**
8' x 14'	**DC0814TSLAV _**	**DC0814TSFAV _**
10' x 10'	**DC1010TSLAV _**	**DC1010TSFAV _**
10' x 12'	**DC1012TSLAV _**	**DC1012TSFAV _**
10' x 14'	**DC1014TSLAV _**	**DC1014TSFAV _**

PANEL SELECTION

Optima® Tegular Panels	Ultima Tegular Panels
Item 3251 (Ctns)	Item 1912 (Ctns)
1	1
1	1
1	2
1	2
1	2
1	2
1	2
1	2
2	3
1	3
2	3
2	3

DC FLEXZONE CLOUD SHAPE AND SIZE SELECTION



FORMATIONS™ with DC FLEXZONE™ Suspension Systems

Acoustical Clouds

DC FLEXZONE™ COMPATIBLE POWER SUPPLY, CABLES, LIGHTING, AND CONTROLS

Cloud Size (Feet)	Power Supply[1]	Power Cables[2]	Lights[3]	Controls
DC FlexZone	(Qty)	(Qty)		
6' x 6'	1	2	1	Design by Others
6' x 8'	1	2	1	Design by Others
6' x 10'	1	2	2	Design by Others
6' x 12'	1	2	2	Design by Others
6' x 14'	1	2	2	Design by Others
8' x 8'	1	2	2	Design by Others
8' x 10'	1	2	2	Design by Others
8' x 12'	1	2	2	Design by Others
8' x 14'	1	3	3	Design by Others
10' x 10'	1	2	2	Design by Others
10' x 12'	1	4	4	Design by Others
10' x 14'	1	4	4	Design by Others

1 Recommend specifying a Roal Electronics 4-channel Safe Energy Server.

2 Recommend specifying TE Connectivity 10' power feed cable assemblies.

3 Recommend specifying this quantity of lighting fixtures, each with a 5' TE load device cable assembly.

* All electrical devices shall be ordered from the electrical manufacturer and through normal electrical distribution channels.

All electrical items and quantities are strictly recommendations. All electrical devices shall be Armstrong®.

DC FlexZone™ suspension system compatible. Armstrong Ceilings does not warrant, and assumes no liability for the accuracy, completeness, or performance of another manufacturer's product. The Specifier is advised to consult with a duly licensed engineering or lighting designer in the particular locale of the installation to assume compliance with all legal requirements for the electrical design and layout.

For sample DC FlexZone for Formations layouts with compatible lighting and controls, visit www.armstrongceilings.com/formations

DC FLEXZONE COMPATIBLE PARTNERS

Products from each of the categories below need to be specified and ordered separately for a complete DC FlexZone Formations™ Cloud. Armstrong Ceilings provides the DC FlexZone suspension system and ceiling panels.

The other product categories are provided by our DC FlexZone compatible partners through their normal electrical channels. For more information on DC FlexZone compatible partners' products, visit www.armstrongceilings.com/dcflexzone.

Lighting Partners	Lighting Fixtures
Acuity Brands	**Lithonia Lighting®** AC Series LED – 24" x 24", 24" x 48" T Series LED – 24" x 24", 24" x 48" RT Series LED – 24" x 24", 24" x 48" VT Series LED – 24" x 24", 24" x 48" AL Series LED – 24" x 24", 24" x 48" Shadow Box Square Series LED – 24" x 24", 24" x 48" DoM™ Downlight
	Gotham® EVO® Downlight
	Peerless® Mino Luminaire
Cooper Lighting	**Recessed Fluorescent** Metalux® Accord™ – 24" x 24", 24" x 48" Metalux Ovation™ – 24" x 24", 24" x 48" Neo-Ray™ Fenestra – 272 / 274 Neo-Ray Luminous HE 282/284

Lighting Partners	Lighting Fixtures
JLC Tech	**LED** T-BAR LED Smartlight™ – 24" and 48"
Osram Sylvania	**Recessed LED** RLC22 - 24" x 24" RLS22 - 24" x 24"
Philips Day-Brite	**Recessed Fluorescent** SofTrace - 24" x 24" Attune - 24" x 48"
Philips Lightolier	**Fluorescent Downlight** Calculite® 6" Downlight

DC FlexZone Compatible Power Partners	
Roal Living Energy	4-Channel Safe Energy Server
Nextek	16-Channel Power Supply Module

DC FlexZone Compatible Cable Partners	
TE Connectivity	5, 10, 15, 20, 25, 30 Foot Power Feed Cables
Encelium	

DC FlexZone Compatible Control Partners

Acuity Brands

Crestron

Ideal

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INFUSIONS®
Accent Canopies



Infusions® Accent Canopies 24" x 72" panels in Indigo Surf with side-to-side linking kits

Playful Infusions® accent canopies come in a variety of translucent textures and finishes to create custom looks with standard kits.

KEY SELECTION ATTRIBUTES

- Mix and match sizes and shapes to define spaces
- Standard components allow you to create custom configurations
- Strong, impact-resistant edges
- Installation is fast and simple – no special tools required

24" X 60", 24" X 72" COLORS (partial list)

For all colors see pg. 70

Due to printing limitations, shade may vary from actual product.

Channeled



Channeled Mist* (CHT) | Channeled Caribbean* (CHC) | Channeled Midnight* (CHM) | Channeled Sunset* (CHS) | Channeled Fire* (CHF)

Patterns

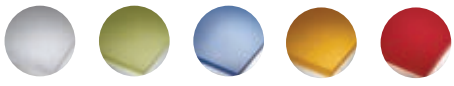


Honey Canvas (THC) | Spun Copper (TSC) | Linen Gold (TLG) | Natural Linen (TNL)† | Crystalline Silverado (TSV)



Crystalline Sky (TSY) | Chalk Folio (TCF) | White Circlets (TWC) | Orange Arbor (TOA) | Red Arbor (TRA)

Solids



Inspiration Ice (TNC) | Sage Happiness (TSH) | Sheer Iris (TSI) | Saffron Energy (TSE) | Red Fire (TRF)

† Color may vary panel to panel

* Also availbale in 48" x 120" canopies

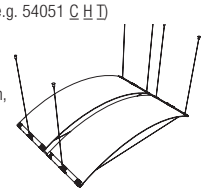
VISUAL SELECTION

Item No. ◆	Dimensions (Inches)	Colors	Pcs./Ctn.
INFUSIONS® Accent Canopies – 48" x 120" Panel Kits			
54101_ _ _	48 x 120 x 5/8"	See page 54 for color options	1
54102_ _ _	48 x 120 x 5/8"	See page 54 for color options	2
Kit: Flat Infusions panel (1 or 2) with nominal 48" Aluminum Extrusions (2 per panel) attached; cables to form arcs (30º or 50º)			
INFUSIONS Accent Canopies – 24" x 60" and 24" x 72" Panel Kits			
54051_ _ _	24 x 60 x 1/4"	See page 54 for color options	1
54052_ _ _	24 x 60 x 1/4"	See page 54 for color options	2
54061_ _ _	24 x 72 x 1/4"	See page 54 for color options	1
54062_ _ _	24 x 72 x 1/4"	See page 54 for color options	2
Kit: Flat Infusions panel (1 or 2) with nominal 24" Aluminum Extrusions (2 per panel) attached; cables to form arcs (60º or 90º)			

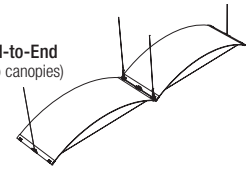
◆ When specifying or ordering, include the appropriate 3-letter suffix (e.g. 54051 C H T)

Hundreds of Ways to Suspend and Link Infusions Accent Canopies from Ceilings and Walls
8', 16', 30' hanging kits; dual canopy kits

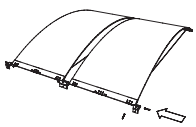
Side-by-Side
(two canopies with flush, 1/2", or 3" spacing)



End-to-End
(two canopies)



Wall Attachment
Anchors canopies side-by-side or linking canopies to wall



PHYSICAL DATA

Material
Polycarbonate

Surface Finish – Smooth

Fire Performance
Infusions® accent canopies have been tested according to NFPA 286 and are equivalent to Class A Interior Finish as defined by the International Building Code.

Designers and Installers are advised to consult a fire protection engineer, NFPA 13, and local codes for guidance where automatic fire detection and suppression systems are present.

Contact TechLine at 1 877 276-7876 for specific US and Canadian fire performance data.

Design Considerations
Do not cut holes in or drill through Infusions® Accent Canopies. Doing so may cause the panel to bend in an irregular fashion.

Infusions panels are not approved for exterior application.

Installation Considerations
Do not allow the edges of the shapes to get wet or be exposed to moisture.

Infusions® accent canopies can be damaged by exposure to high temperatures. The temperature of the shapes should not be permitted to exceed 100°F.

Follow the guidelines below for minimum distance from standard light sources.

LAMP TYPE	LABEL WATTAGE	MINIMUM DISTANCE
Halogen FL XL PAR 30	60	14"
Incandescent Bulb	120	15"
Quartz Halogen Work Light	500	23"

Additional light transmission information is available at armstrongceilings.com/infusions

Use the assembled canopy weights provided in this table to select mounting hardware that will meet this requirement.

MATERIAL	24" x 60"	24" x 72"	48" x 120"
Solid Polycarbonate	21 lbs	25 lbs	N/A
Channeled Polycarbonate	6 lbs	7 lbs	26 lbs

Seismic Restraint
Refer to ASCE 7-10, Section 13.5 Architectural Components, for seismic requirements. Section 13.5, item 2 refers to 13.2.3 Consequential Damage.

Suspension System
Canopy-specific hardware must be ordered based on your design plan. For details and some design guidelines, contact TechLine or visit armstrongceilings.com/infusions.

Warranty
Details at armstrongceilings.com

Weight; Pieces/Carton

PANEL MATERIAL	24" x 60" 2 pcs/ctn	24" x 60" 1 pc/ctn	24" x 72" 2 pcs/ctn	24" x 72" 1 pc/ctn	48" x 120" 2 pcs/ctn	48" x 120" 1 pc/ctn
Solid Polycarbonate	42 lbs	21 lbs	50 lbs	25 lbs	N/A	N/A
Channeled Polycarbonate	12 lbs	6 lbs	14 lbs	7 lbs	52 lbs	26 lbs

ACCESSORY KITS

7004 – 0.3 lbs	7006 – 0.1 lbs	7008 – 0.4 lbs	7010 – 0.7 lbs
7005 – 0.5 lbs	7007 – 0.2 lbs	7009 – 0.2 lbs	

All other accessory kits weigh less than 1 lb each.

TechLine / 1 877 276-7876
armstrongceilings.com/infusions
(search: infusions canopies)
BPCS-5145-517

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Armstrong® CEILING & WALL SOLUTIONS

INFUSIONS® Shapes

Accent Clouds



Infusions® Shapes Circles clouds in Playful Peach

These floating clouds are available in a variety of translucent colors and four standard shapes.

KEY SELECTION ATTRIBUTES

- Add dramatic visual impact with multiple shapes or create a small accent area
- Wide variety of colors to fit any design aesthetic
- Unique shape designs can create a variety of visuals depending on the configuration or angle of installation
- Class A fire performance
- Seismic tested and approved

COLORS (partial list)

For all colors see pg. 70.

Due to printing limitations, shade may vary from actual product.

Romantic Ruby (TOR) | Modern Mandarin (TMM) | Playful Peach (TPP) | Amiable Almond (TAA) | Gleeful Green (TGG) | Proud Pumpkin (TOP)

Sensitive Shadow (TVS) | Sincere Seafoam (TCM) | Versatile Violet (TVV) | Joyful Jelly (TJJ) | Refined Reef (TRR) | Refined Lagoon (TRL)

PANEL OPTIONS / PERFORMANCE

	Item No. ◆	Dimensions (Inches) Nominal	Fire Rating	Warranty
INFUSIONS® Shapes				
Circle	**7156**_ _ _*	48 x 48 x 4" (Nominal)	Class A	1-Yr
Curved Square	**7157**_ _ _*	48 x 48 x 4" (Nominal)	Class A	1-Yr

◆ When specifying or ordering, include the appropriate 3-letter suffix (e.g., 7156 T Q R)

PANEL OPTIONS / PERFORMANCE

	Item No. ◆	Dimensions (Inches) Nominal	Fire Rating	Warranty
INFUSIONS® Shapes				
Oval	**7158**_ _ _	96 x 48 x 4" (Nominal)	Class A	1-Yr
Curved Rectangle	**7159**_ _ _	96 x 48 x 4" (Nominal)	Class A	1-Yr

* Must be purchased in multiples of two

SUSPENSION COMPONENTS

Item Number	Description	Color	Pcs./Ctn.
7149	Infusions Shapes Hanging Kit **	Metal	1 kit

** Each Shapes Hanging Kit includes four hanging assemblies and is shipped with shapes. Use one kit for each shape.

ACCESSORIES (OPTIONAL)

Item Number	Description
625530	Extended Hanging Cables – (4) 30' Cables
7006	Escutcheon Kit – Used when hanging shape below an existing ceiling; two kits needed per shape.

PHYSICAL DATA

Material
Polycarbonate

Surface Finish
Smooth

Fire Performance
Infusions® Shapes accent clouds have been tested according to NFPA 286 and are equivalent to Class A Interior Finish as defined by the International Building Code.

Designers and Installers are advised to consult a fire protection engineer, NFPA 13, and local codes for guidance where automatic fire detection and suppression systems are present.

Contact TechLine at 1 877 276-7876 for specific US and Canadian fire performance data.

Design Considerations
Infusions® Shapes accent clouds are not approved for exterior application.

Installation Considerations
Do not allow the edges of the shapes to get wet or be exposed to moisture.

Any fixtures adjacent to Infusions® Shapes accent clouds must be independently supported. There is potential for limited natural deflection of panels.

Infusions® Shapes accent clouds can be damaged by exposure to high temperatures. The temperature of the shapes should not be permitted to exceed 100°F.

Follow these guidelines for minimum distance from standard light sources.

LAMP TYPE	LABEL WATTAGE	MINIMUM DISTANCE
Halogen FL XL PAR 30	60	14"
Incandescent Bulb	120	15"
Quartz Halogen Work Light	500	23"

Additional light transmission information is available at armstrongceilings.com/infusions

Seismic Restraint
Refer to ASCE 7-10, Section 13.5 Architectural Components, for seismic requirements. Section 13.5, item 2 refers to 13.2.3 Consequential Damage.

Warranty
Details at armstrongceilings.com

Weight; Pieces/Carton
Bulk packaged per order

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SERPENTINA® Classic and Semi-Concealed

Curved Metal Clouds



Serpentina® Semi-concealed 24" x 72" panels with custom perforations in Silver Satin

Pre-engineered 3D curved metal ceiling system adds drama and acoustical performance with major impact.

KEY SELECTION ATTRIBUTES

- More main beam options for maximum design flexibility; available in both "Hills" and "Valleys" with 15/16" or 9/16" suspension system
- XL®2 butt-cut cross tee end detail for a faster installation
- Armstrong® standard panel colors; custom RAL® colors available
- Extruded aluminum components and hot-dipped galvanized steel with stainless steel clips provide maximum corrosion resistance
- Serpentina® perforated clouds installed with acoustical infill panels provide greater sound absorption than a continuous ceiling of the same surface area because sound is absorbed from both the front and back surfaces
- 30-Year Limited System Warranty (1-Year Limited System Warranty for Pool Installations)



Serpentina clouds for pools are available in 15/16" Classic and Semi-concealed. Acoustical infill panels are available if required. Contact TechLine or your local Armstrong Ceilings representative for questions related to pool applications.

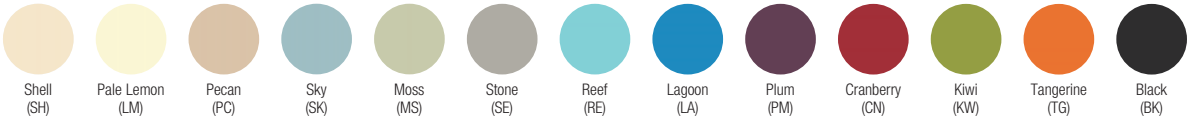
COLORS Due to printing limitations, shade may vary from actual product.

Standard Colors



White (WH) | Cream (CR) | Haze (HA) | Camel (CM) | Platinum (PL) | Tech Black (BL) | Silver Grey (SG) | Silver Satin (SA) | Gun Metal Grey (MY) | Champagne Gold (CG) | Bright Clear Anodized | RAL® / Custom Colors and Finishes Available

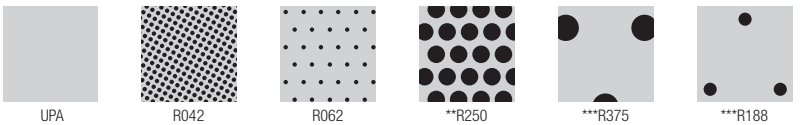
Colorations® Colors*



Shell (SH) | Pale Lemon (LM) | Pecan (PC) | Sky (SK) | Moss (MS) | Stone (SE) | Reef (RE) | Lagoon (LA) | Plum (PM) | Cranberry (CN) | Kiwi (KW) | Tangerine (TG) | Black (BK)

* For Colorations and custom colors, contact Armstrong Customer Service at 1-877-276-7876 and select options 1-1-2.

PERFORMANCE OPTIONS



UPA Unperforated

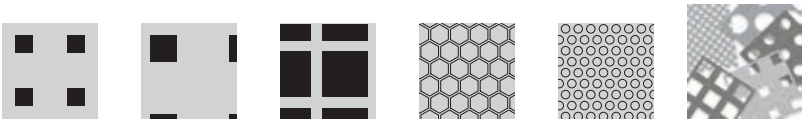
R042 Perfs: 3/64" Dia. @ 1/8" O.C. Open area: 11% No border

R062 Perfs: 1/16" Dia. @ 1/4" O.C. Open area: 6% No border

**R250 Perfs: 1/4" Dia. @ 0.32" O.C. Open area: 58% Nominal 3/4" border

***R375 Perfs: 3/8" Dia. @ 1-1/8" O.C. Open area: 10% Nominal 3/4" border

***R188 Perfs: 3/16" Dia. @ 1" O.C. Open area: 4% Nominal 3/4" border



***S250 Perfs: 1/4" x 1/4" @ 3/4" O.C. Open area: 11% Nominal 3/4" border

***S375 Perfs: 3/8" x 3/8" @ 1-1/8" O.C. Open area: 11% Nominal 3/4" border

**S500 Perfs: 1/2" x 1/2" @ 5/8" O.C. Open area: 64% Nominal 3/4" border

****H250 Perfs: 1/4" width @ .281 Staggered Open area: 79% Nominal 3/4" border

**R125 Perfs: 1/8" Dia. @ 3/16" O.C. Open area: 41% Nominal 3/4" border

Custom Perforations Available

** Laminated acoustical fleece is not available for use in Pool Applications or on perforated Panels R125, S500, R250, H250, Diamond Sheer, and Diamond Louver due to open cell percentage. For acoustical correction in pool installations, specify 24" x 24" poly bags.

*** Tech Black, Fine Fissured™ panels, laminated to the back of Serpentina perforated metal panels, provide a matching visual for flat areas adjacent to, or within, a Serpentina ceiling. Available for R188, R375, and S375.

**** H250 Perforation meets NFPA guidelines for sprinkler systems.

SERPENTINA® Classic and Semi-Concealed
Curved Metal Clouds

SERPENTINA® SUSPENSION SYSTEM

Serpentina Main Beams and Curved Perimeter Trim

	Item No. ◆	Arc	Dim. "A"	Dim. "B"	Dim. "C"
	10225_ _ _ _ _ _	22.5	9' 11-1/4"	25' 5-9/16"	0' 5-7/8"
	1030_ _ _ _ _ _	30	9' 10-5/8"	19' 1-3/16"	0' 7-13/16"
	10375_ _ _ _ _ _	37.5	9' 9-7/8"	15' 3-5/16"	0' 9-3/4"
	1045_ _ _ _ _ _	45	9' 8-7/8"	12' 8-13/16"	0 11-3/8"
	10525_ _ _ _ _ _	52.5	9' 7-7/8"	10' 10-15/16"	1' 1-1/2"
	1060_ _ _ _ _ _	60	9' 6-9/16"	9' 6-9/16"	1' 3-5/8"
	1075_ _ _ _ _ _	75	9' 3-5/8"	7' 7-11/16"	1' 6-15/16"
	1090_ _ _ _ _ _	90	9' 0"	6' 4-3/8"	1' 10-3/8"
	815_ _ _ _ _ _	15	7' 11-3/4"	30' 6-11/16"	0' 3-18"
	8225_ _ _ _ _ _	22.5	7' 11-3/8"	20' 4-7/16"	0' 4-3/4"
	830_ _ _ _ _ _	30	7' 10-7/8"	15' 3-3/8"	0' 6-1/4"
	8375_ _ _ _ _ _	37.5	7' 10-5/16"	12' 2-11/16"	0' 7-3/4"
	845_ _ _ _ _ _	45	7' 9-9/16"	10' 2-1/4"	0' 9-7/16"
	8525_ _ _ _ _ _	52.5	7' 8-11/16"	8' 8-3/4"	0' 10-13/16"
	860_ _ _ _ _ _	60	7' 7-11/16"	7' 7-11/16"	1' 0-7/16"
	875_ _ _ _ _ _	75	7' 5-5/16"	6' 1-5/16"	1' 3-3/16"
	890_ _ _ _ _ _	90	7' 2-7/16"	5' 1-1/8"	1' 5-7/8"
	615_ _ _ _ _ _	15	5' 11-13/16"	22' 11"	0' 2-3/8"
	6225_ _ _ _ _ _	22.5	5' 11-9/16"	15' 3-3/8"	0' 3-9/16"
	630_ _ _ _ _ _	30	5' 11-3/16"	11' 5-1/2"	0' 4-9/16"

◆ When specifying or ordering, add the appropriate perforation and color suffixes

	Item No. ◆	Arc	Dim. "A"	Dim. "B"	Dim. "C"
	6375_ _ _ _ _ _	37.5	5' 10-3/4"	9' 2"	0' 5-13/16"
	645_ _ _ _ _ _	45	5' 10-1/8"	7' 7-11/16"	0' 7-1/16"
	6525_ _ _ _ _ _	52.5	5' 8-3/4"	6' 6-9/16"	0' 8-1/8"
	660_ _ _ _ _ _	60	5' 8-3/4"	5' 8-3/4"	0' 9-5/16"
	675_ _ _ _ _ _	75	5' 7"	4' 7"	0' 11-3/8"
	690_ _ _ _ _ _	90	5' 4-1/2"	3' 9-13/16"	1' 1-7/16"
	4075_ _ _ _ _ _	7.5	3' 11-15/16"	30' 6-5/8"	0' 0-13/16"
	415_ _ _ _ _ _	15	3' 11-7/8"	15' 3-3/8"	0' 1-9/16"
	4225_ _ _ _ _ _	22.5	3' 11-11/16"	10' 2-1/4"	0' 2-5/16"
	430_ _ _ _ _ _	30	3' 11-3/8"	7' 7-11/16"	0' 3-1/8"
	4375_ _ _ _ _ _	37.5	3' 11-1/8"	6' 1-3/8"	0' 3-7/8"
	445_ _ _ _ _ _	45	3' 10-3/4"	5' 1-1/8"	0' 4-5/8"
	4525_ _ _ _ _ _	52.5	3' 10-5/16"	4' 4-3/8"	0' 5-3/8"
	460_ _ _ _ _ _	60	3' 9-7/8"	3' 9-13/16"	0' 6-1/16"
	475_ _ _ _ _ _	75	3' 8-1/2"	3' 0-5/8"	0' 7-1/2"
	490_ _ _ _ _ _	90	3' 7-1/4"	2' 6-9/16"	0' 8-13/16"

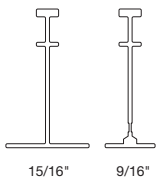
Perimeter Trim

	4STR	N/A	N/A	N/A	N/A
	6STR	N/A	N/A	N/A	N/A
	8STR	N/A	N/A	N/A	N/A
	10STR	N/A	N/A	N/A	N/A

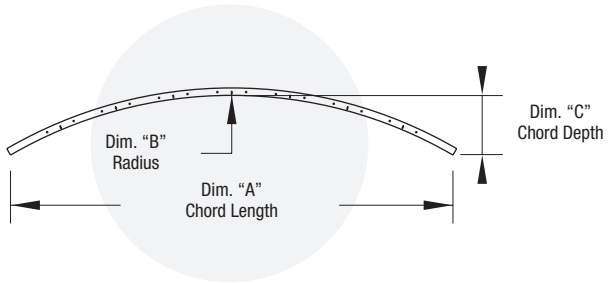
For additional information and accessories, see brochure BPCS-3960.
CAD drawings available on armstrongceilings.com/serpentina

6 90 H/V 916 PT
- PT — Indicates perimeter trim
- 916 — Indicates 9/16" narrow face (excluded if 15/16" face)
- H/V — Indicates hill (arch) or valley (reverse arch)
- 90 — Indicates degree of arc
- 6 — Indicates nominal arc length

Serpentina main beams are identified by arc length. For example, a 690 hill main beam has a 5' 4-1/2" chord length and will occupy 5' 4-1/2" of ceiling area.



NOTE: 9/16" suspension uses 24" x 24" panels only, and is not available for pool applications.



PHYSICAL DATA

Material
Extruded aluminum curved main beams and hot-dipped galvanized steel Prelude® or Suprafine® cross tees. Pool applications receive aluminum Prelude cross tees with stainless steel clips.

Main Beam Load Test Data
Hanger Spacing (Lbs/LF)
(Applies to straight 15/16" face sections only)
42" – 18.66 48" – 10.80

Cross Tee/Main Beam Interface
Flush Fit

End Detail
Staked-on clip

Panel Sizes
24" x 48" and 24" x 72" semi-concealed metal panel options; 24" x 24", 24" x 48", and 24" x 72" lay-in panel options (select panel types perforated and unperforated).

Design Considerations
9/16" suspension systems use 24" x 24" panels only. (9/16" suspension systems are not available for pool applications.)

Seismic Requirements
Refer to ASCE 7-10 for seismic requirements.

Acoustical Options
By adding optional poly-bagged fiberglass or laminated fleece backing, you can achieve a greater acoustical performance in your design. No ASTM test exists for curved configurations.

Fire Performance
Metal: Class A

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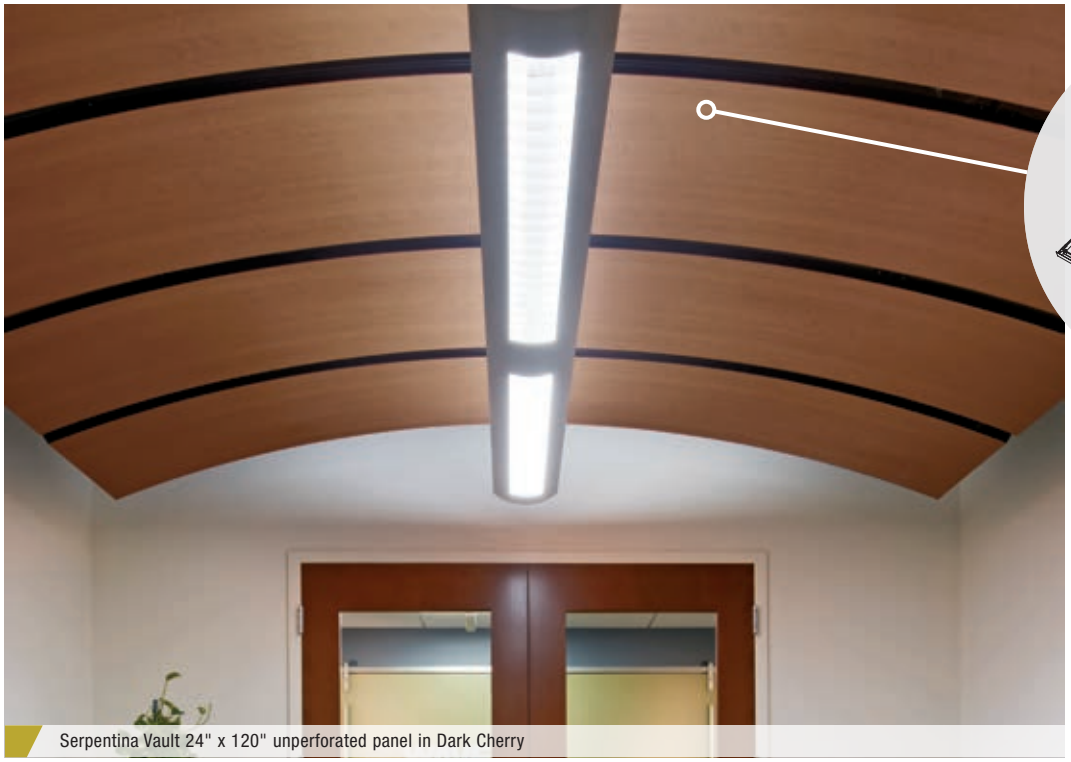
SERPENTINA® Vault

Curved Metal Clouds

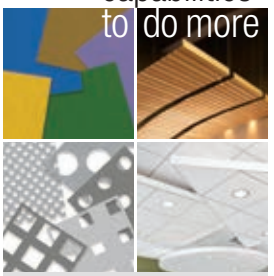


Serpentina Vault 24" x 120" unperforated panel in Dark Cherry

CAD/Revit® drawings at:
armstrongceilings.com



plus...
capabilities
to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Easy-to-specify and install curved metal clouds define and create visual interest.

KEY SELECTION ATTRIBUTES

- Install with fewer cables for a dramatic floating visual
- Wide variety of finishes available
- Pre-engineered and shipped ready to install (no field modification necessary)
- Panels available in 24" x 72", 24" x 96", 24" x 120", and 24" x 144"
- Available in 15º, 30º, 45º, 60º, 75º, and 90º arcs
- Aircraft cable, vault spacer support, and hardware shipped as part of kit
- Serpentina® perforated clouds installed with acoustical infill panels provide greater sound absorption than a continuous ceiling of the same surface area because sound is absorbed from both the front and back surfaces
- 30-Year Limited System Warranty

COLORS Due to printing limitations, shade may vary from actual product.

Standard Colors

White (WH) · Cream (CR) · Haze (HA) · Camel (CM) · Silver Grey (SG) · Silver Satin (SA) · Gun Metal Grey (MY) · Champagne Gold (CG) · Tech Black (BL)

Wood Looks Architectural Film Colors (not available perforated)

Maple (MP) · Elm (EL) · Light Sycamore (LS) · Light Cherry (LC) · Light Walnut (LW) · Dark Cherry (DC) · Dark Walnut (DW) · Rosewood (RW) · Dark Sycamore (DS) · Charcoal Ash (CA)

COLORATIONS® COLORS*

Due to printing limitations, shade may vary from actual product.

Shell (SH) · Pale Lemon (LM) · Pecan (PC) · Sky (SK) · Moss (MS)

Stone (SE) · Reef (RE) · Lagoon (LA) · Plum (PM) · Cranberry (CN)

Kiwi (KW) · Tangerine (TG) · Black (BK)

RAL® / Custom Colors and Finishes Available

* For Colorations, and custom colors, contact Armstrong Customer Service at 1-877-276-7876 and select options 1-1-2.

PERFORATION OPTIONS

UPA
Unperforated

R042
Perfs: 3/64" Dia.
@ 1/8" O.C.
Open area: 11%
No border

R062
Perfs: 1/16" Dia.
@ 1/4" O.C.
Open area: 6%
No border

TechLine 877 276-7876
armstrongceilings.com/serpentina

Armstrong® CEILING & WALL SOLUTIONS

SERPENTINA® Vault

Curved Metal Clouds

UP TO 50% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt ✓; regional materials ✓; design for flexibility ✓; EPD; recyclable/extended producer resp.; biobased materials; recycled content ✓; sourcing of raw materials ✓; material ingredient reporting; low emitting/materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

HOW TO SPECIFY

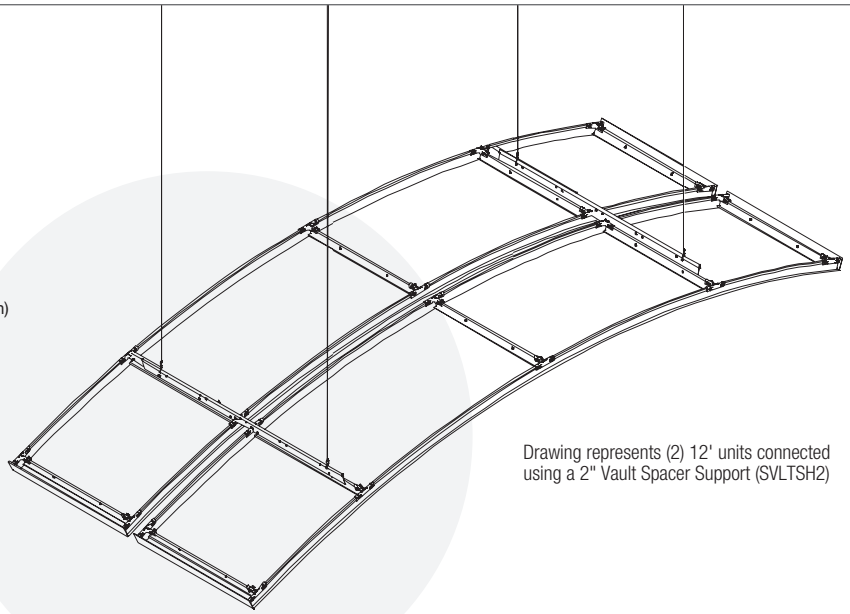
Simple guide on how to select your Vault:

1. Panel Length (72", 96", 120", 144")
2. Arc Choice (15º, 30º, 45º, 60º, 75º, 90º)
3. Perf Pattern (R042, R062, UPA)
4. Color (see page 73)
5. Denote Your Panel Spacing (2", 4", 6") in your specification

EXAMPLE:

SVT 1230R042 MY

- MY — Color (Gun Metal)
- R042 — Perf Pattern (R042 Perforation)
- 30 — Arc (30º)
- 12 — Panel Length (24" x 144")
- SVT — Serpentina Vault



Drawing represents (2) 12' units connected using a 2" Vault Spacer Support (SVLTSH2)

ARC CHOICES



15º

30º

45º

60º

75º

90º

PANELS

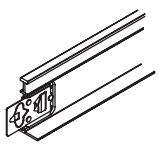
Sizes
24" x 72"
24" x 96"
24" x 120"
24" x 144"

PANEL SPACING

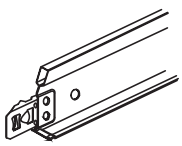
Create 2", 4", or 6" spacing between panels (include in your specification)

Item No.	Description
SVLTSH2	2" Vault Spacer Support
SVLTSH4	4" Vault Spacer Support
SVLTSH6	6" Vault Spacer Support

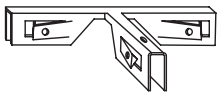
SERPENTINA® VAULT COMPONENTS



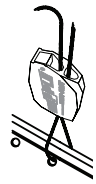
Serpentina Main Beam (15/16")



2' Prelude® Cross Tee (15/16")



GC3W Grip Clip 3-Way



Aircraft Cable and Hardware

PHYSICAL DATA

Material
Extruded aluminum main beams and hot-dipped galvanized steel cross tees.

Fire Performance
Metal is ASTM E84 Class A per IBC Class A: Flame Spread 25 or under and Smoke Developed 50 or less.

Seismic Requirements
Refer to ASCE 7-10 for seismic requirements

Warranty Information
30-Year Limited System Warranty

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SERPENTINA® Waves™

Curved Metal Clouds



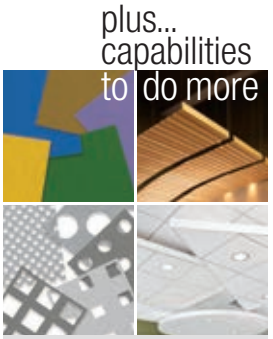
Serpentina® Waves™ Clouds 24" x 96", 24" x 120", and 24" x 144" with R062 perforation in Silver Satin.

Corrugated Infill Panel

Serpentina® Waves™ curved metal cloud kits combine easy installation with striking visual power.

KEY SELECTION ATTRIBUTES

- Wide variety of finishes
- 30-Year Limited System Warranty
- 60 pre-engineered kits that are easy to specify and install
- Panel lengths available up to 144"
- Serpentina® Waves™ perforated clouds installed with acoustical infill panels provide greater sound absorption than a continuous ceiling of the same surface area because sound is absorbed from both the front and back surfaces



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

COLORS* Due to printing limitations, shade may vary from actual product.

Standard Colors

White (WH) · Cream (CR) · Haze (HA) · Camel (CM) · Platinum (PL) · Tech Black (BL) · Silver Grey (SG) · Silver Satin (SA) · Gun Metal Grey (MY) · Champagne Gold (CG)

Wood Looks Architectural Film Colors (not available perforated)

Maple (MP) · Elm (EL) · Light Sycamore (LS) · Light Cherry (LC) · Light Walnut (LW) · Dark Cherry (DC) · Dark Walnut (DW) · Rosewood (RW) · Dark Sycamore (DS) · Charcoal Ash (CA)

COLORATIONS® COLORS*

Due to printing limitations, shade may vary from actual product.

Shell (SH) · Pale Lemon (LM) · Pecan (PC) · Sky (SK) · Moss (MS)

Stone (SE) · Reef (RE) · Lagoon (LA) · Plum (PM) · Cranberry (CN)

Kiwi (KW) · Tangerine (TG) · Black (BK)

RAL® / Custom Colors and Finishes Available

* For Colorations, and custom colors, contact Armstrong Customer Service at 1-877-276-7876 and select options 1-1-2.

For Installation Considerations and Physical Data, see BPCS-3948 at armstrongceilings.com/serpentina

SERPENTINA® WAVES™ METAL INFILL PANELS

***R042
Perfs: 3/64" Dia. @ 1/8" O.C.
Open area: 11%

***R062
Perfs: 1/16" Dia. @ 1/4" O.C.
Open area: 6%

**R125
Perfs: 1/8" Dia. @ 3/16" O.C.
Open area: 41%

**R250
Perfs: 1/4" Dia. @ 0.32" O.C.
Open area: 58%

***R188
Perfs: 3/16" Dia. @ 1" O.C.
Open area: 4%

***R375
Perfs: 3/8" Dia. @ 1-1/8" O.C.
Open area: 9%

Nominal 1" border on panel length

**S250
Perfs: 1/4" x 1/4" @ 3/4" O.C.
Open area: 11%

***S375
Perfs: 3/8" x 3/8" @ 1-1/8" O.C.
Open area: 11%

**S500
Perfs: 1/2" x 1/2" @ 5/8" O.C.
Open area: 64%

UPA
Unperforated

**CR125
Perfs: 1/8" @ 21/64" O.C.
Open area: 13%
No border

CUPA
Unperforated
Corrugated Panel

Nominal 1" border on panel length

** Laminated acoustical fleece is not available on Perforated Panels R125, R250, S500, CR125 or CUPA due to open cell percentage or panel profile.
*** Acoustical fleece comes standard

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Armstrong® CEILING & WALL SOLUTIONS

SERPENTINA® Waves™

Curved Metal Clouds

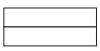
SERPENTINA® WAVES™ COMPONENTS

Item No. ◆	Description	
_ _ _ **H/V**	Main Beam (15/16")	
SPTSTR	1' - 12' Straight Trim	
_ _ _ **H/V PT**	Curved Trim	
SH12	Serpentina® StrongBack™ System	
SPTOSCP	Serpentina Outside Corner Post	
AXCCLTW	Serpentina Trim Twist Clip	

◆ Indicate appropriate Serpentina Waves Kit number

Item No. ◆	Description	
SPTSPLICE	Serpentina Splice Plate	
AX-SPT-HDC	Serpentina Trim Hold Down Clip	
SCXT24MR	Cross tee that connects main beams	
SCXT24SPT	Cross tee that connects main beams to perimeter trim	
SCXT24SPT2	Cross tees that connects perimeter trim to perimeter trim (2' wide modules)	
SPTCS4-12	Serpentina Waves Connector Sleeves	
Speed Clip	Serpentina Semi-Concealed Splice Clip (3 per panel interface)	

SERPENTINA WAVES KITS

Item No. ◆	Hill (SH)	Valley (SV)	Hill/Valley Combo (SW)	Arc Degree	Description	Direction of Arc/ Size/Type
SH300404_ _ _ _ _	•			30	Hill with 30° arc	
SH450404_ _ _ _ _	•			45	Hill with 45° arc	
SV300404_ _ _ _ _		•		30	Valley with 30° arc	
SV450404_ _ _ _ _		•		45	Valley with 45° arc	4' x 4'
SH300604_ _ _ _ _	•			30	Hill with 30° arc	
SH450604_ _ _ _ _	•			45	Hill with 45° arc	
SV300604_ _ _ _ _		•		30	Valley with 30° arc	
SV450604_ _ _ _ _		•		45	Valley with 45° arc	6' x 4'
SH300804_ _ _ _ _	•			30	Hill with 30° arc	
SH450804_ _ _ _ _	•			45	Hill with 45° arc	
SV300804_ _ _ _ _		•		30	Valley with 30° arc	
SV450804_ _ _ _ _		•		45	Valley with 45° arc	
SW300804_ _ _ _ _			•	30	Hill/Valley with 30° arc	
SW450804_ _ _ _ _			•	45	Hill/Valley with 45° arc	8' x 4'
SH301004_ _ _ _ _	•			30	Hill with 30° arc	
SH451004_ _ _ _ _	•			45	Hill with 45° arc	
SV301004_ _ _ _ _		•		30	Valley with 30° arc	
SV451004_ _ _ _ _		•		45	Valley with 45° arc	10' x 4'

◆ When specifying or ordering, add the appropriate perforation and color suffixes

SW451212R042WH

- SW — Serpentina Hill/Valley Combo Kit
- 45 — Degree of Arc
- 12 — Size of the Cloud
- 12 — Perforation Option
- R042WH — Color Selection

SERPENTINA® Waves™

Curved Metal Clouds

UP TO 50% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt ✓; regional materials ✓; design for flexibility ✓; EPD; recyclable/ extended producer resp. ✓; biobased materials; recycled content ✓; sourcing of raw materials ✓; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

SERPENTINA® WAVES™ KITS

Item No. ◆	Hill (SH)	Valley (SV)	Hill/Valley Combo (SW)	Arc Degree	Description	Direction of Arc/ Size/Type
SH301204_ _ _ _ _	•			30	Hill with 30° arc	
SH451204_ _ _ _ _	•			45	Hill with 45° arc	
SV301204_ _ _ _ _		•		30	Valley with 30° arc	
SV451204_ _ _ _ _		•		45	Valley with 45° arc	
SW301204_ _ _ _ _			•	30	Hill/Valley with 30° arc	
SW451204_ _ _ _ _			•	45	Hill/Valley with 45° arc	12' x 4'
SH300406_ _ _ _ _	•			30	Hill with 30° arc	
SH450406_ _ _ _ _	•			45	Hill with 45° arc	
SV300406_ _ _ _ _		•		30	Valley with 30° arc	
SV450406_ _ _ _ _		•		45	Valley with 45° arc	4' x 6'
SH300606_ _ _ _ _	•			30	Hill with 30° arc	
SH450606_ _ _ _ _	•			45	Hill with 45° arc	
SV300606_ _ _ _ _		•		30	Valley with 30° arc	
SV450606_ _ _ _ _		•		45	Valley with 45° arc	6' x 6'
SH300806_ _ _ _ _	•			30	Hill with 30° arc	
SH450806_ _ _ _ _	•			45	Hill with 45° arc	
SV300806_ _ _ _ _		•		30	Valley with 30° arc	
SV450806_ _ _ _ _		•		45	Valley with 45° arc	
SW300806_ _ _ _ _			•	30	Hill/Valley with 30° arc	
SW450806_ _ _ _ _			•	45	Hill/Valley with 45° arc	8' x 6'
SH301006_ _ _ _ _	•			30	Hill with 30° arc	
SH451006_ _ _ _ _	•			45	Hill with 45° arc	
SV301006_ _ _ _ _		•		30	Valley with 30° arc	
SV451006_ _ _ _ _		•		45	Valley with 45° arc	10' x 6'
SH301206_ _ _ _ _	•			30	Hill with 30° arc	
SH451206_ _ _ _ _	•			45	Hill with 45° arc	
SV301206_ _ _ _ _		•		30	Valley with 30° arc	
SV451206_ _ _ _ _		•		45	Valley with 45° arc	
SW301206_ _ _ _ _			•	30	Hill/Valley with 30° arc	
SW451206_ _ _ _ _			•	45	Hill/Valley with 45° arc	12' x 6'
SH300408_ _ _ _ _	•			30	Hill with 30° arc	
SH450408_ _ _ _ _	•			45	Hill with 45° arc	
SV300408_ _ _ _ _		•		30	Valley with 30° arc	
SV450408_ _ _ _ _		•		45	Valley with 45° arc	4' x 8'
SH300608_ _ _ _ _	•			30	Hill with 30° arc	
SH450608_ _ _ _ _	•			45	Hill with 45° arc	
SV300608_ _ _ _ _		•		30	Valley with 30° arc	
SV450608_ _ _ _ _		•		45	Valley with 45° arc	6' x 8'
SH300808_ _ _ _ _	•			30	Hill with 30° arc	
SH450808_ _ _ _ _	•			45	Hill with 45° arc	
SV300808_ _ _ _ _		•		30	Valley with 30° arc	
SV450808_ _ _ _ _		•		45	Valley with 45° arc	
SW300808_ _ _ _ _			•	30	Hill/Valley with 30° arc	
SW450808_ _ _ _ _			•	45	Hill/Valley with 45° arc	8' x 8'
SH301008_ _ _ _ _	•			30	Hill with 30° arc	
SH451008_ _ _ _ _	•			45	Hill with 45° arc	
SV301008_ _ _ _ _		•		30	Valley with 30° arc	
SV451008_ _ _ _ _		•		45	Valley with 45° arc	10' x 8'
SH301208_ _ _ _ _	•			30	Hill with 30° arc	
SH451208_ _ _ _ _	•			45	Hill with 45° arc	
SV301208_ _ _ _ _		•		30	Valley with 30° arc	
SV451208_ _ _ _ _		•		45	Valley with 45° arc	
SW301208_ _ _ _ _			•	30	Hill/Valley with 30° arc	
SW451208_ _ _ _ _			•	45	Hill/Valley with 45° arc	12' x 8'

◆ When specifying or ordering, add the appropriate perforation and color suffixes

SW451212R042WH

Serpentina Hill/Valley Combo Kit | Degree of Arc | Size of the Cloud | Perforation Option | Color Selection

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SERPENTINA® Waves™
Curved Metal Clouds

SERPENTINA® WAVES™ KITS

Item No. ◆	Hill (SH)	Valley (SV)	Hill/Valley Combo (SW)	Arc Degree	Description	Direction of Arc/ Size/Type
SH300410_ _ _ _ _	•			30	Hill with 30° arc	4' x 10'
SH450410_ _ _ _ _	•			45	Hill with 45° arc	
SV300410_ _ _ _ _		•		30	Valley with 30° arc	
SV450410_ _ _ _ _		•		45	Valley with 45° arc	
SH300610_ _ _ _ _	•			30	Hill with 30° arc	6' x 10'
SH450610_ _ _ _ _	•			45	Hill with 45° arc	
SV300610_ _ _ _ _		•		30	Valley with 30° arc	
SV450610_ _ _ _ _		•		45	Valley with 45° arc	
SH300810_ _ _ _ _	•			30	Hill with 30° arc	8' x 10'
SH450810_ _ _ _ _	•			45	Hill with 45° arc	
SV300810_ _ _ _ _		•		30	Valley with 30° arc	
SV450810_ _ _ _ _		•		45	Valley with 45° arc	
SW300810_ _ _ _ _			•	30	Hill/Valley with 30° arc	
SW450810_ _ _ _ _			•	45	Hill/Valley with 45° arc	
SH301010_ _ _ _ _	•			30	Hill with 30° arc	10' X 10'
SH451010_ _ _ _ _	•			45	Hill with 45° arc	
SV301010_ _ _ _ _		•		30	Valley with 30° arc	
SV451010_ _ _ _ _		•		45	Valley with 45° arc	
SH301210_ _ _ _ _	•			30	Hill with 30° arc	12' x 10'
SH451210_ _ _ _ _	•			45	Hill with 45° arc	
SV301212_ _ _ _ _		•		30	Valley with 30° arc	
SV451212_ _ _ _ _		•		45	Valley with 45° arc	
SW301212_ _ _ _ _			•	30	Hill/Valley with 30° arc	
SW451212_ _ _ _ _			•	45	Hill/Valley with 45° arc	
SH300412_ _ _ _ _	•			30	Hill with 30° arc	4' x 12'
SH450412_ _ _ _ _	•			45	Hill with 45° arc	
SV300412_ _ _ _ _		•		30	Valley with 30° arc	
SV450412_ _ _ _ _		•		45	Valley with 45° arc	
SH300612_ _ _ _ _	•			30	Hill with 30° arc	6' x 12'
SH450612_ _ _ _ _	•			45	Hill with 45° arc	
SV300612_ _ _ _ _		•		30	Valley with 30° arc	
SV450612_ _ _ _ _		•		45	Valley with 45° arc	
SH300812_ _ _ _ _	•			30	Hill with 30° arc	8' x 12'
SH450812_ _ _ _ _	•			45	Hill with 45° arc	
SV300812_ _ _ _ _		•		30	Valley with 30° arc	
SV450812_ _ _ _ _		•		45	Valley with 45° arc	
SW300812_ _ _ _ _			•	30	Hill/Valley with 30° arc	
SW450812_ _ _ _ _			•	45	Hill/Valley with 45° arc	
SH301012_ _ _ _ _	•			30	Hill with 30° arc	10' x 12'
SH451012_ _ _ _ _	•			45	Hill with 45° arc	
SV301012_ _ _ _ _		•		30	Valley with 30° arc	
SV451012_ _ _ _ _		•		45	Valley with 45° arc	
SH301212_ _ _ _ _	•			30	Hill with 30° arc	12' x 12'
SH451212_ _ _ _ _	•			45	Hill with 45° arc	
SV301212_ _ _ _ _		•		30	Valley with 30° arc	
SV451212_ _ _ _ _		•		45	Valley with 45° arc	
SW301212_ _ _ _ _			•	30	Hill/Valley with 30° arc	
SW451212_ _ _ _ _			•	45	Hill/Valley with 45° arc	

◆ When specifying or ordering, add the appropriate perforation and color suffixes

SW451212R042WH

Serpentina Hill/Valley Combo Kit · Degree of Arc · Size of the Cloud · Perforation Option · Color Selection

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SOUNDSCAPES®
Acoustical Canopies



SoundScapes® Acoustical Canopies 46-1/2" x 75" Hill panels in White

These shapely canopies enhance acoustics with spot absorption to define spaces.

KEY SELECTION ATTRIBUTES

- Hill and valley shapes available in multiple sizes
- Adjustable to special heights
- Energy-efficient, high light-reflectant surface (White only)
- Embedded flush-mounted hardware system for clean look
- Coordinate with SoundScapes® Shapes, Metaphors® coffers, Infusions® accent canopies, lay-in panels, partitions, walls, Wings and Create!™ ceiling panels

plus... capabilities to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

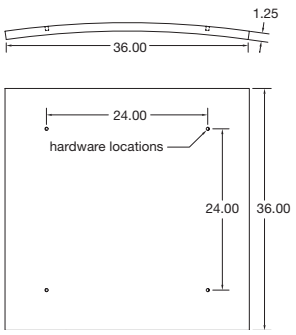
COLORATIONS® COLORS

Due to printing limitations, shade may vary from actual product.

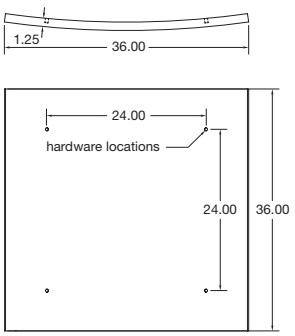
White (WH) | Shell (SH) | Pale Lemon (LM) | Pecan (PC) | Sky (SK) | Moss (MS) | Stone (SE) | Reef (RE) | Lagoon (LA) | Plum (PM) | Cranberry (CN) | Kiwi (KW) | Tangerine (TG) | Black (BK) | Made-to-order Sherwin-Williams® Colors Available

To see coordinating Ultima® and Optima® Create!™ and RAL® colors, visit armstrongceilings.com/createcolors. Custom colors are available with a Sherwin-Williams 4-digit color code from the Duration® or Harmony® flat interior paint families (Code SW _ _ _ _)

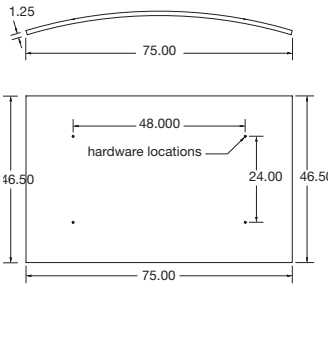
ELEVATION VIEWS



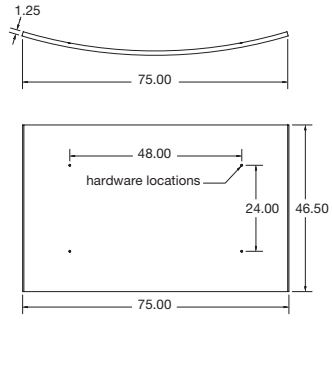
Hill – Hardware side



Valley – Hardware side



Hill – Hardware side



Valley – Hardware side

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SOUNDSCAPES®

Acoustical Canopies

47% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD | recyclable/ extended producer resp. ✓ | biobased materials | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION

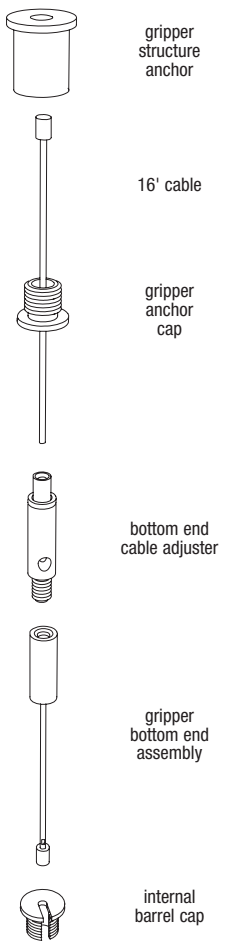
PERFORMANCE

Dots represent high level of performance.

Item No. ◆	Description	Dimensions (Inches)	Sabin/ Panel	Fire Rating	Light Reflect (White Only)	Wash	Scratch	Soil	Recycled Content	Recycle Program
						Durability				
6258 _ _	Hill Canopy	46-1/2 x 75 x 1-1/4"	30	Class A	0.90 •	•	•	•	Std	•
6259 _ _	Valley Canopy	46-1/2 x 75 x 1-1/4"	30	Class A	0.90 •	•	•	•	Std	•
6260 _ _	Hill Canopy	36 x 36 x 1-1/4"	11.25	Class A	0.90 •	•	•	•	Std	•
6261 _ _	Valley Canopy	36 x 36 x 1-1/4"	11.25	Class A	0.90 •	•	•	•	Std	•

◆ Add 2-letter color suffix to item number when specifying or ordering (e.g. 6258 L M)

NOTE: SoundScapes Canopies kits include canopies, installation hardware, and 16' cables.



Extended Hanging Cable

ACCESSORIES

Item Number		Description
625530		Extended Hanging Cables – (4) 30' Cables
7006		Escutcheon Kit – Used when hanging canopy below an existing ceiling; two kits needed per SoundScapes panel.

PHYSICAL DATA

Material
Mineral fiber pre-formed in canopy shape

Panel Arc
Fixed 129" radius

Surface Finish and Edge Detail
DuraBrite® scrim on all sides, finished square edges

Fire Performance
ASTM E84 Class A per IBC Class A: Flame Spread 25 or under and Smoke Developed 50 or less.

SoundScapes® acoustical canopies, as with other architectural features located at the ceiling, may obstruct or skew the planned fire sprinkler water distribution pattern, or possibly delay or accelerate the activation of the sprinkler or fire detection systems by channeling heat from a fire either toward or away from the device. Designers and installers are advised to consult a fire protection engineer, NFPA 13, and local codes for guidance where automatic fire detection and suppression systems are present.

Acoustical Performance (based on 48" x 72" canopy)
30 Sabin per panel using ASTM C423, or 78% more sound absorption than the same square footage of NRC 0.70 continuous ceilings.

Design Considerations
SoundScapes® acoustical canopies cannot be cut, drilled, or altered in any way. Panels can be damaged by exposure to moisture, to high temperatures, and to high humidity. They are not approved for exterior application.

Canopies must be installed a minimum of 18" apart. Lipping may be visible in installations closer than 18".

Field painting may affect the acoustical and/or fire performance, is not recommended, and will void the product warranty.

Special care in installation and handling must be taken with color canopies to avoid surface damage to the paint finish.

The SoundScapes cable hanging system must not hang from any commercial ceiling suspension system. The canopy must not be used to support any other material.

Installation Considerations
SoundScapes® acoustical canopies must remain in their cartons until ready to hang. They require two people to handle and install a panel safely. Do not remove the canopy edge protectors until the panel is installed. Canopies in colors other than White require additional care to reduce scuffing. See installation instructions on web site for details.

Seismic Restraint
Refer to ASCE 7-10, Section 13.5 Architectural Components, for seismic requirements. Section 13.5, item 2 refers to 13.2.3 Consequential Damage.

Suspension System
Embedded, flush-mounted hardware system and aircraft cables provided in panel kits.

Warranty
Details at armstrongceilings.com

Weight
Bulk packaged per order
6258, 6259 – 50 lbs per panel
6260, 6261 – 19.4 lbs per panel

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Duration®, Harmony®, and Sherwin-Williams® are registered trademarks of The Sherwin-Williams Company. RAL® is a registered trademark of RAL gGmbH. All other trademarks used herein are the property of AWI Licensing LLC and/or its affiliates © 2016-2017 AWI Licensing LLC
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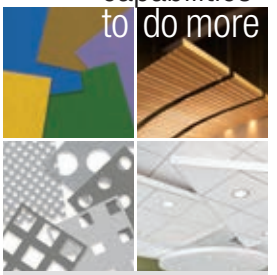
SOUNDSCAPES® Shapes

Acoustical Clouds



SoundScapes® Shapes panels in Pale Lemon, Cranberry, Plum, and Tangerine

plus... capabilities to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Acoustics delivered via playful shapes and colors in standard and custom options.

KEY SELECTION ATTRIBUTES

- Enhance acoustics in open areas
- Aesthetically define spaces
- Standard flat panels in multiple sizes and shapes; custom shapes available
- Adjustable to various heights and angles
- 360º panel finishing capability available
- Quick and easy to install from a deck, through a ceiling, directly attached to drywall, on a standard suspension system, or on a wall
- Metaphors® coffers, Create!® ceiling panels, Infusions® accent canopies, lay-in panels, partitions, walls, and Wings available in coordinating colors

COLORATIONS® COLORS

Due to printing limitations, shade may vary from actual product.

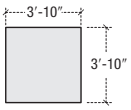
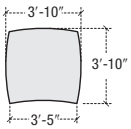
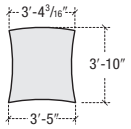
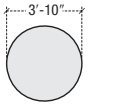
White (WH) | Shell (SH) | Pale Lemon (LM) | Pecan (PC) | Sky (SK) | Moss (MS) | Stone (SE) | Reef (RE) | Lagoon (LA) | Plum (PM) | Cranberry (CN) | Kiwi (KW) | Tangerine (TG) | Black (BK) | Made-to-order Sherwin-Williams® Colors Available

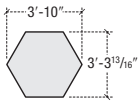
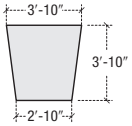
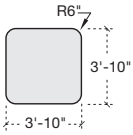
To see coordinating Ultima® and Optima® Create!™ panel colors and RAL® colors, visit armstrongceilings.com/createcolors.
Custom colors are available with a Sherwin-Williams 4-digit color code from the Duration® or Harmony® flat interior paint families (Code SW _ _ _ _)

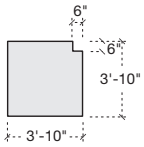
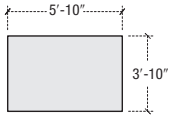
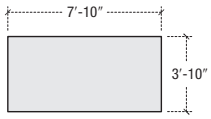
SOUNDSCAPES® Shapes

Acoustical Clouds

PANEL OPTIONS (shown in finish view from below ceiling)

	Item No. ◆	Description/ Dimensions (Inches)
	**5440_ _**	Square 48 x 48 x 7/8" (Nominal)
	**5441_ _**	Convex 48 x 48 x 7/8" (Nominal)
	**5442_ _**	Concave 48 x 48 x 7/8" (Nominal)
	**5443_ _**	Circle 48 x 48 x 7/8" (Nominal)

	Item No. ◆	Description/ Dimensions (Inches)
	**5444_ _**	Hexagon 48 x 48 x 7/8" (Nominal)
	**5445_ _**	Trapezoid 48 x 48 x 7/8" (Nominal)
	**5635_ _**	Square – 6" Radius cut corner 48 x 48 x 7/8" (Nominal)

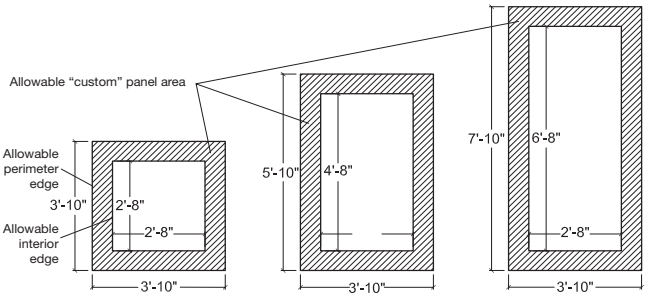
	Item No. ◆	Description/ Dimensions (Inches)
	**5636_ _**	Square – 6" Square cut corner 48 x 48 x 7/8" (Nominal)
	**5448_ _**	Small Rectangle 48 x 72 x 7/8" (Nominal)
	**5449_ _**	Large Rectangle 48 x 96 x 7/8" (Nominal)

◆ NOTE: Add 2-letter color suffix when specifying or ordering (e.g. 5440 W H for square panel in White).
Concealed hardware with 360° finishing available on all shapes except Hexagon.

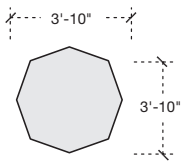
CUSTOM SHAPES

Create your own shapes!

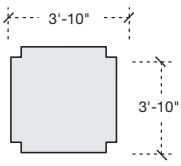
Simply carve your creation out of the allowable custom panel area (interior edge to perimeter edge) as instructed below and send a CAD file to TechLine.
For assistance, call 1 877 276-7876.



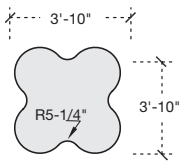
DESIGN IDEAS



Item 5692



Item 5693

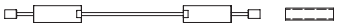
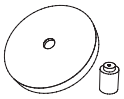
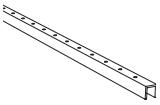
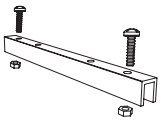
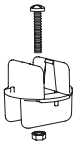
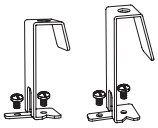
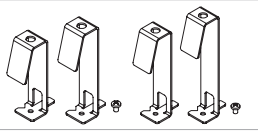
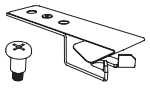
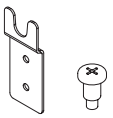
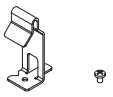


Item 5694

SOUNDSCAPES® Shapes

Acoustical Clouds

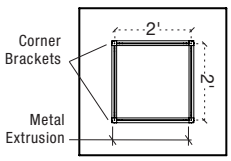
ACCESSORY KITS Applications always require more than one kit.

Item No. ◆	Description	Kit Contents	
5450	Deck Hanging Kit Allows for suspending individual shapes or grouping frames from deck and bottom end adjustment of height at panel or frame level.	(2) gripper structure anchors (2) gripper structure caps (2) 8' aircraft cables (2) bottom end cable adjusters (2) nuts with washers	
5438	Angled Hanging Kit (10° maximum angle) For use when hanging panels at different angles. Extends from the end of Deck Hanging Kit (5450).	(2) angled hanging cables	
7121	Angled Hanging Kit (60° maximum angle) For use when hanging panels at different angles. Extends from the end of Deck Hanging Kit (5450).	(2) angled hanging cables	
625530	Extended Hanging Cables For use with deck hanging kit when longer cables are needed.	(4) 30' aircraft cables	
7006	Escutcheon Kit Used when hanging panels below an existing ceiling.	(2) collars with setscrews (2) 2" escutcheons	
5451_ _	Grouping Frames Kit Suspension frames used to group panels together.	(4) suspension frames, 12' long, Black (BL) or White (WH)	
5452_ _	Frame Splice Kit Connects group suspension frames for longer runs (> 12 feet).	(2) group frame connectors, 10' long, Black (BL) or White (WH) (4) bolts with washers (4) nuts	
5453	Frame Alignment Kit For use with group suspension frames.	(4) frame alignment spacers, clear plastic (4) bolts (4) nuts with washers	
5454_ _	Panel Hook Kit For use with group frames (one kit per all panels except item 5449, Large Rectangle, which requires two kits).	(2) 4-1/2" high panel hooks, Black (BL) or White (WH (2) 3-1/2" high panel hooks, Black (BL) or White (WH) (8) bolts	
5629 **5630** **5631**	Multi-plane Hanging Kits For use when hanging panels at heights below Panel Hook Kit (5454).	5629 1" Drop Hook Kit (2) 4-1/2" hooks (2) 5-1/2" hooks (8) screws 5630 2" Drop Hook Kit (2) 5-1/2" hooks (2) 6-1/2" hooks (8) screws 5631 3" Drop Hook Kit (2) 6-1/2" hooks (2) 7-1/2" hooks (8) screws	
5455	Drywall Ceiling Hanging Kit For individual panel attachment to drywall.	(2) drywall clip assemblies (2) shoulder bolts	
5588	Wall Hanging Kit For individual panel attachment to a wall.	(4) clip assemblies (4) shoulder bolts	
5632	Grid Hook Kit For hanging individual panels from a standard suspension system.	(4) hooks (8) screws	

NOTE: Accessory kit hardware is attached to panels via the metal extrusion or corner brackets on the back of each panel. The diagram on the right shows the location of extrusions and corner brackets in the back of a nominal 4' x 4' panel. See installation instructions BPLA-297302 for more details.

If you need assistance identifying what and how many accessory kits are needed for your project, please contact TechLine customer support at 1 877 276-7876.

◆ Indicate desired color using two-digit color code when ordering; BL = Black; WH = White

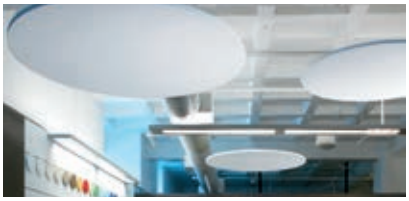


SOUNDSCAPES® Shapes

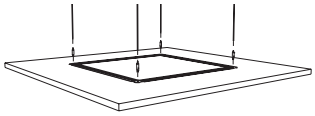
Acoustical Clouds

HUNDREDS OF WAYS TO CONFIGURE SOUNDSCAPES® SHAPES PANELS

Individual Suspension



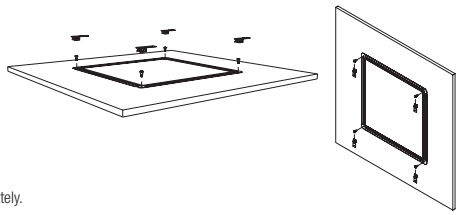
Three Items 5443 in White



Individual Attachment to Drywall or Solid Surface



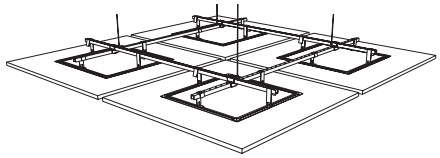
Two Items 5440 and 5448 in Tangerine (upper wall and ceiling)



Group Suspension



Items 5441 and 5442 in White



ACCESSORY KITS

All accessory kits are ordered separately.

Deck Hanging Kit (5450)

Drywall Hanging Kit (5455)
Wall Hanging Kit (5588)

Deck Hanging Kit (5450)
Grouping Frames Kit (5451 _ _)
Frame Alignment Kit (5453)
Panel Hook Kit (545 _ _)

PHYSICAL DATA

Material
7/8" thick fiberglass with DuraBrite® scrim on face and sides or custom 1-3/4" thick fiberglass with DuraBrite scrim on all sides (360º finishing). To order custom panels, contact TechLine at 1 877 276-7876.

Surface Finish
DuraBrite scrim with factory-applied paint on face and sides. Standard White has energy-saving, high light-reflective finish (LR 0.90). Back of panel is unfinished with embedded metal extrusions.

Fire Performance
SoundScapes® Shapes panel material is ASTM E84 Class A: Flame Spread 25 or under and Smoke Developed 50 or less.

CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

SoundScapes Shapes acoustical clouds, as with other architectural features located in the ceiling plane, may obstruct or skew the existing or planned fire sprinkler water distribution pattern, or possibly delay the activation of the fire sprinkler or fire detection system. Consult a fire protection engineer, NFPA 13, and local codes for guidance on the proper installation techniques where fire detection or suppression systems are present.

ASTM E1264 Classification
Type XII, Form 2, Pattern E

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Acoustical Performance
1.49 Sabins per square foot or 66% more sound absorption than the same square footage of NRC 0.90 continuous ceilings. Color shapes have slightly reduced acoustical performance.

Design Considerations
SoundScapes Shapes acoustical clouds maintain a natural sag that may not be noticeable when installed 6" or less apart. Deflection up to 1/8" has been documented in some cases.

SoundScapes Shapes available with 360º finishing for use in areas where panel back is exposed (can only be installed with included individual suspension).

Special care in installation and handling must be taken with color shapes to avoid surface damage to the paint finish. Custom colors are available. Contact TechLine with a Sherwin-Williams® color code from the Durations® or Harmony® flat interior paint families (Code SW _ _ _ _).

Custom shapes are available by providing a custom shape drawing within guidelines and sending to TechLine. Call 1 877 276-7876 for assistance.

Seismic Restraint
Refer to ASCE 7-10, Section 13.5 Architectural Components for seismic requirements. Section 13.5, item 2 refers to 13.2.3 Consequential Damage.

Suspension Systems
SoundScapes Shapes acoustical clouds are pre-assembled with metal extrusions in the back of the panels. Standard accessory kits facilitate quick and easy installation from the deck, through a ceiling, or directly attached to drywall. See Installation Instructions BPLA-297302 for installation details.

Warranty
Details at armstrongceilings.com

Panel Weight
0.63 lbs/SF

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Duration®, Harmony®, and Sherwin-Williams® are registered trademarks of The Sherwin-Williams Company. RAL® is a registered trademark of RAL gGmbH.
All other trademarks used herein are the property of AWI Licensing LLC and/or its affiliates
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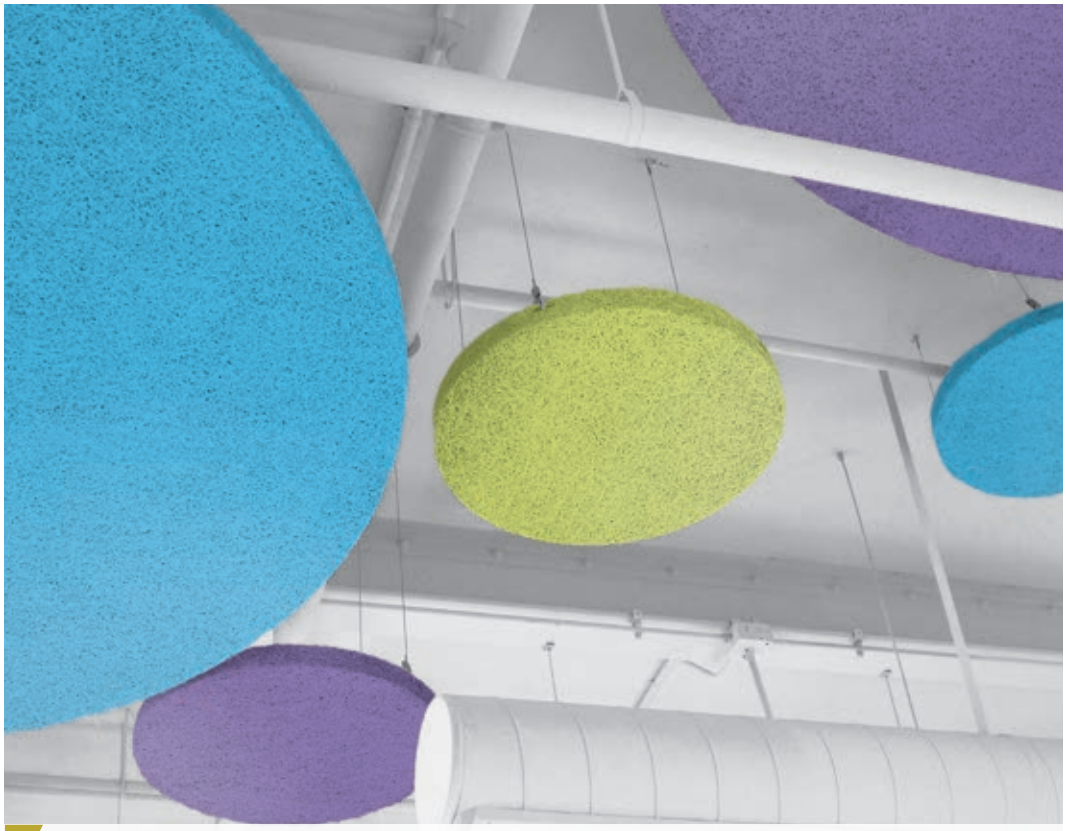
TECTUM® Shapes and Clouds

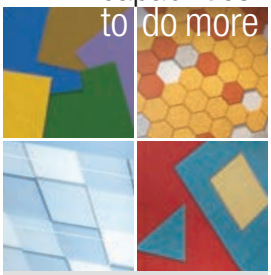
Acoustical Custom Panels

coarse texture



Tectum® Shapes

plus... capabilities to do more



armstrongceilings.com/capabilities

See more photos at: armstrongceilings.com/photogallery

Tectum® Shapes and Clouds deliver design flexibility and acoustical performance in a floating system.

KEY SELECTION ATTRIBUTES

- Floating cloud system in multiple sizes and shapes; custom shapes available
- Noise Absorption up to 0.41 Sabins/SF
- Panel Sizes in 1-1/2"or 2" panel thickness; widths: 23-3/4" to 47-3/4"; lengths: up to 96"
- Available in White, Natural, and made-to-order Colorations® colors and Sherwin-Williams® colors
- Installs with 15/16" Prelude® Suspension System
- Square or radius edges

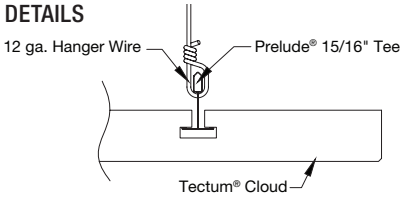
COLORS

Due to printing limitations, shade may vary from actual product.



White (TWH) | Natural (TNA) | Made-to-order Colorations® Colors Available | Made-to-order Sherwin-Williams® Colors Available

DETAILS



TechLine 877 276-7876
armstrongceilings.com/tectum

Armstrong® CEILING & WALL SOLUTIONS

WOODWORKS®

Accent & Acoustical Canopies

UP TO 92% RECYCLED CONTENT

For LEED contribution contact TechLine

LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	FSC (for wood)	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
		✓	✓	✓						✓	✓			

▲ LOCATION DEPENDENT

▲ WITH INFILL PANEL



WoodWorks® Canopies 48" x 96" S-curve in Natural Variations™ Light Cherry finish

These aesthetically pleasing canopies in warm, natural wood veneers offer an acoustical performance when perforated.

KEY SELECTION ATTRIBUTES

- Choose from Hill, Valley, or S-curve dual radius canopies
- Adjustable to different heights and angles
- Perforated option available for better acoustics on hill and valley canopies
- Concealed mounting hardware for a clean look above and below

VENEERS

Due to printing limitations, shade may vary from actual product.

Natural Variations™ (Real Wood Veneers)



Beech (NBE) | Maple (NMP) | Light Cherry (NLC) | Dark Cherry (NDC)

Bamboo (Veneer is Rapidly Renewable)



Patina (BAP) | Native (BAN)

PERFORATION OPTIONS

(Actual 1:6 scale shown)



W1 (Unperforated) | W3 (Rd 6006)

NOTE: Rd 6006 perforation on Hill and Valley only. Black fleece adhered to the back of panels for improved acoustics.

VISUAL SELECTION

Item No. ◆	Description	Shape	Dimensions (Inches)	Fire Rating
WOODWORKS® Canopies				
5918_ _ _ _ _	Hill		72 x 36 x 3/4"	Class A
5919_ _ _ _ _	Valley		72 x 36 x 3/4"	Class A
5920_ _ _ _ _	Hill		96 x 48 x 3/4"	Class A
5921_ _ _ _ _	Valley		96 x 48 x 3/4"	Class A
5979_ _ _ _ _	S-curve		96 x 48 x 7/8"	Class A

◆ When specifying or ordering, include the appropriate 5-digit perforation and color suffix (e.g. 5918W 1 N D C) with the item number.
NOTE: Suspension cables are shipped with canopies.

SUSPENSION COMPONENTS

	Description	Color	Pieces/Carton
	WoodWorks Canopy Hanging Kit *	Metal	1 kit

* Each Canopy Hanging Kit includes four hanging assemblies and is shipped with canopy. Use one kit for canopy.

PHYSICAL DATA

Material
Hill/Valley – fire-retardant particle board with face-cut veneers. S-curve – fire-retardant medium-density fiberboard with face-cut veneers.

Panel Arc
Hill or Valley – 12' radius
S-curve – 8' radius

Surface Finish
Clear or tinted semigloss coating

Fire Performance
ASTM E84 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.
CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.
WoodWorks® Canopies, as with other architectural features located in the ceiling plane, may obstruct or skew the existing or planned fire sprinkler water distribution pattern, or possibly delay the activation of the fire sprinkler or fire detection system. Designers and installers are advised to consult a fire protection engineer, NFPA 13, and their local codes for guidance on the proper installation techniques where fire detection or suppression systems are present.

ASTM E1264 Classification
Composite – Fire Class A

Acoustical Performance
16.3 Sabins per perforated wood canopy with acoustical fleece.

Application Considerations
Variation among panels may occur due to the natural characteristics of the wood and grain.
It is very important that WoodWorks panels are climatized prior to installation. Relative humidity between 25% and 55% and temperatures between 50˚F and 86˚F must be maintained.

Design Considerations
WoodWorks® Canopies are not approved for exterior application. The WoodWorks Canopies cable hanging system must not hang from any commercial ceiling suspension system. The canopy must not be used to support any other material.
Concealed hardware (painted black) may be visible.

Installation Considerations
WoodWorks® Canopies require two people to handle and install a panel safely. See installation instructions on web site for details at armstrongceilings.com/installation.

Seismic Restraint
Refer to ASCE 7-10, Section 13.5 Architectural Components, for seismic requirements. Section 13.5, item 2 refers to 13.2.3 Consequential Damage.

Suspension System
Hardware and 8' cables included in kit

Warranty
Details at armstrongceilings.com

Weight/SF
Hill or Valley – 2.5 lbs per SF (Bulk packaged)
S-curve – 3.5 lbs per SF (Bulk packaged)

TechLine / 1 877 276-7876
armstrongceilings.com/woodworks
(search: woodworks canopies)
BPCS-4057-517

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Armstrong® CEILING & WALL SOLUTIONS

You Can Use Acoustical Direct-to-Deck Panels to Enhance Design and Acoustical Performance

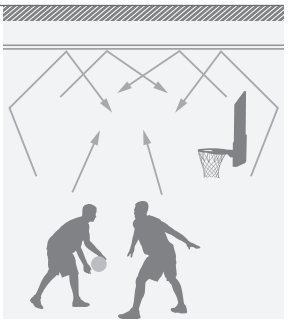
Direct-to-Deck acoustical panels can provide sound absorption for open plenum spaces.

Acoustical absorption is important to:
- Reduce noise levels and reverberation time
- Enhance speech intelligibility

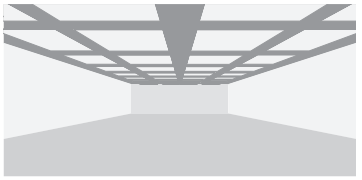
NRC is the term used to measure acoustics for these ceiling forms.

NRC (Noise Reduction Coefficient)

A measure for rating the overall sound absorption of a material when used in an enclosed architectural space such as an office, where sound is reflected at many angles of incidence. A ceiling system with an NRC < 0.50 is considered low performance, whereas one with NRC > 0.70 is considered high performance.



Example:

	Exposed Structure	Direct-Attach Tectum
		
4,800 SF Exposed Structure (80' x 600'), 31' to deck, concrete and brick walls, indoor sports flooring		
Ceiling	**No Treatment (0% Coverage)**	**1" Tectum in C-40 mounting (80% Coverage on Ceiling)**
NRC	0.00	0.85
Reverberation Time	5.1 sec	1.4 sec
RT Improvement	ref	73%
SPL Reduction	ref	-4.3 dB

For definitions of acoustical terms, see pages 473-474 in this catalog.


DIRECT-
TO-DEC

DIRECT-TO-DECK CEILING PANELS
At-a-Glance

you inspire™
solutions center
helping to bring your one-of-a-kind ideas to life

CAPZ™ PANELS



Capz™ – METALWORKS™, OPTIMA® & SPECTRA™ Pgs. 55-56

Panel Color Selection

Optima White (WH) | Spectra Tech Black (BL) | MetalWorks White (WH) | MetalWorks Silver Grey (SG) | MetalWorks Gun Metal Grey (MY) | RAL® / Custom Colors Available

Cap Color Selection

Optima & Spectra Capz

White Textured (WH) | Silver Smooth (SL) | Tech Black Textured (BL)

MetalWorks Capz

White Smooth (WH) | Silver Grey Smooth (SG) | Gun Metal Grey Smooth (MY)

TECTUM® PANELS

new



TECTUM® Direct-Attach Ceiling Panels – Standard Pgs. 107-108

Panel Color Selection

White (WH) | Natural (TL) | Made-to-order Colorations® Colors Available | Made-to-order Sherwin-Williams® Colors Available

new



TECTUM® Finale™ High NRC Direct-Attach Ceiling Panels – Custom Pg. 109

new



TECTUM® Panel Art Direct-Attach Ceiling Panels – Custom Pg. 110

ICON KEY

Icons are used throughout the catalog to help you quickly identify key products with high level of performance.

High Acoustics
Product has NRC (Noise Reduction Coefficient) 0.70 or greater.

Fire Performance
Class A

Seismic
Category D, E & F

Light Reflectance
Light reflectance of 0.83 or greater.

BioBlock®
Resists the growth of mold and mildew

Humidity/Sag Resistance
HumiGuard® Plus
Recommended for areas subject to high humidity up to but not including standing water or outdoor applications.

High Durability
Washability
Offers superior wash resistance without compromising panel finish integrity.

Scrubbability
Product is scrubbable. See specific info on product page.

Impact Resistance
Excellent resistance to surface impact.

Scratch Resistance
Excellent resistance to surface scratching, scuffing, or chipping as per Hess Rake Test.

Soil Resistance
Excellent resistance to dirt and/or grease for lasting value and performance.

Color Availability
Available in color.

Recycle Program
Product is recyclable through the Armstrong Recycling Program.

DIRECT-TO-DECK

Sherwin-Williams® is a registered trademark of the Sherwin-Williams Company

Armstrong® CEILING & WALL SOLUTIONS

Capz™
METALWORKS™, OPTIMA®, and SPECTRA™

acoustical panels
medium texture



Optima® Capz™ 48" x 96" panels with White caps



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

The sleek Capz™ system pairs accent hardware with a variety of acoustical panels.

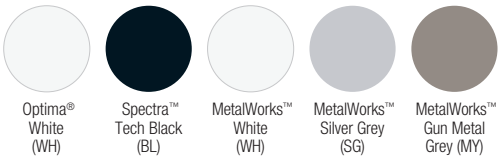
KEY SELECTION ATTRIBUTES

- Noise is absorbed on both the front and back of panels (Optima® and Spectra™)
- Panel options: Optima, Spectra, MetalWorks™
- High light reflectance 0.90 (Optima and MetalWorks white panels)
- Easy alignment suspension system
- Panels can be designed in long runs or grouped based on the acoustical needs of the space.
- MetalWorks panels feature:
  - ExpanTech™ technology for larger MetalWorks panel sizes with 10 times less deflection than standard large-size metal panels (without the use of panel stiffeners)
  - Durable – Washable, Scrubbable, Impact–, Soil-resistant
  - RAL/custom colors available.

TYPICAL APPLICATIONS

- Exposed structure
- Drywall spaces requiring acoustical correction
- Painted decks
- Capz panels can be installed: directly to the deck, on drywall, or suspended like a continuous ceiling

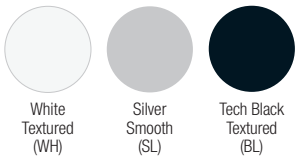
PANEL COLOR SELECTION



Optima® White (WH) | Spectra™ Tech Black (BL) | MetalWorks™ White (WH) | MetalWorks™ Silver Grey (SG) | MetalWorks™ Gun Metal Grey (MY)

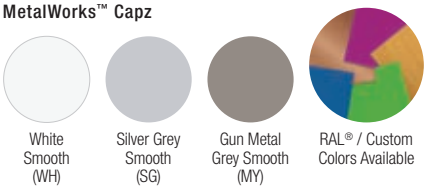
CAP COLOR SELECTION

Optima® & Spectra™ Capz



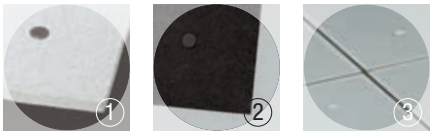
White Textured (WH) | Silver Smooth (SL) | Tech Black Textured (BL)

MetalWorks™ Capz



White Smooth (WH) | Silver Grey Smooth (SG) | Gun Metal Grey Smooth (MY) | RAL® / Custom Colors Available

DETAIL



1. Optima® White Capz™
2. Spectra™ Tech Black Capz™
3. MetalWorks™ Capz™

METALWORKS™ CAPZ™ PANEL PERFORATION OPTIONS

(Actual 1:1 scale shown)



M10
(Rg 2513)

NOTE: MetalWorks™ Capz™ panels have a 1/2" unperforated border. Refer to hand sample for visual.

Capz™ OPTIMA® and SPECTRA™

acoustical panels
medium texture

UP TO 71% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD ✓ | recyclable/extended producer resp. | biobased materials | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting | low emitting/materials ✓ | lighting quality | acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION

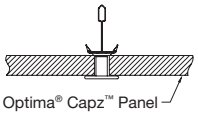
PERFORMANCE SELECTION

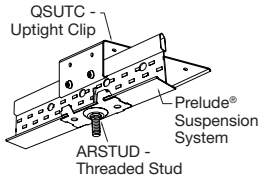
Dots represent high level of performance. $$$$$

Edge Profile	Item No. ◆	Dimensions (Inches)	Acoustics NRC	Light Reflect (White Only)	Fire Rating	Anti-Mold & Mildew Inherent	Sag Resist Humi-Guard+	Wash (Durability)	Scrub (Durability)	Impact (Durability)	Scratch (Durability)	Soil (Durability)	Recycled Content	Recycle
OPTIMA® and SPECTRA™ Capz™ Reverse Tegular														
	3934 _ _	24 x 48 x 7/8"	0.90 •	0.90 •	Class A	•	•	•	–	–	•	•	•	•
	3935 _ _	24 x 60 x 7/8"	0.90 •	0.90 •	Class A	•	•	•	–	–	•	•	•	•
	3930 _ _	24 x 72 x 7/8"	0.90 •	0.90 •	Class A	•	•	•	–	–	•	•	•	•
	3931 _ _	24 x 96 x 7/8"	0.90 •	0.90 •	Class A	•	•	•	–	–	•	•	•	•
	3936 _ _	36 x 36 x 7/8"	0.90 •	0.90 •	Class A	•	•	•	–	–	•	•	•	•
	3932 _ _	48 x 48 x 7/8"	0.90 •	0.90 •	Class A	•	•	•	–	–	•	•	•	•
	3933 _ _	48 x 96 x 7/8"	0.90 •	0.90 •	Class A	•	•	•	–	–	•	•	•	•
	FastSize™ Panels (Optima only)	W: 12" – 48" / L: 12" – 120" 7/8" thick	N/A	0.90 •	Class A	•	•	•	–	–	•	•	•	•

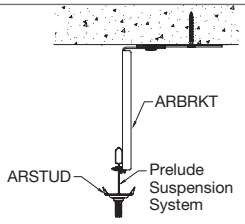
◆ When specifying or ordering, include the appropriate 2-letter suffix (e.g., 3934 W H for Optima White; 3934 B L for Spectra Tech Black; 64901M10 W H for MetalWorks.

OPTIMA® CAPZ™





Uptight Clip Installation



AR Bracket Installation

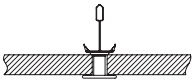
CAPS



Caps for Optima® or Spectra™ (ARCAP_ _*)◆

SUSPENSION SYSTEMS

15/16"



Prelude®

ACCESSORIES



Adjustable Hanger Bracket (ARBRKT)



Rigid Attachment Clip (QSUTC)



Cross Tee Plug Clip (ARPLUG)



Threaded Stud (ARSTUD)



Clip (STAC)

PHYSICAL DATA

Material
Optima® – fiberglass with a DuraBrite® acoustically transparent scrim. Spectra Tech Black – fiberglass with an acoustically transparent scrim.

Surface Finish
Optima® White – a DuraBrite finish with factory-applied latex paint providing superior light reflectance. Spectra Black – a factory-applied latex paint.

Fire Performance
Optima®/Spectra™ – ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less.
Smoke Developed Index 50 or less. (UL labeled)

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Panel Deflection
Capz™ panels will naturally deflect due to the Capz™ four-point (or more) suspension system. Deflection of up to 1/8" has been documented in some cases. Panels should not be installed perpendicular to each other due to varying degrees of deflection.

Design & Installation Considerations
In situations where all suspension points cannot be used, follow our technical guide BPCS-3939 for recommendations.

Panels are installed directional and are marked on the back with arrows. Suspension system may be visible at panel intersection. Consider using coordinating Prelude® 15/16" suspension system. Panels may be stacked in layers. Panels may be installed on a slope using guidelines found in installation instructions BPLA-297435.

Warranty
Optima® Capz™ & Spectra™ Capz™ – 10 year
Details at armstrongceilings.com

Weight; Square Feet/Carton
3930, 3936 – 0.56 lbs/SF; 72 SF/ctn
3935 – 0.56 lbs/SF; 80 SF/ctn
3931, 3934 – 0.56 lbs/SF; 96 SF/ctn
3932 – 0.56 lbs/SF; 64 SF/ctn
3933 – 0.56 lbs/SF; 128 SF/ctn

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Armstrong® CEILING & WALL SOLUTIONS

DIRECT-TO-DECK

Capz™ METALWORKS™

acoustical panels
smooth texture

90% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD ✓ | recyclable/ extended producer resp. ✓ | biobased materials | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting | low emitting/ materials ✓ | lighting quality ✓ | acoustics

▲ LOCATION DEPENDENT

VISUAL SELECTION

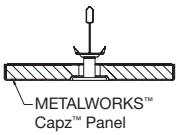
PERFORMANCE SELECTION

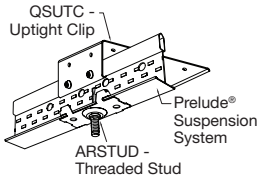
Dots represent high level of performance. $$$$$

Edge Profile	Item No. ◆	Dimensions (Inches)	Acoustics NRC	Light Reflect (White Only)	Fire Rating	Anti-Mold & Mildew Inherent	Sag Resist Humi-Guard+	Durability: Wash	Scrub	Impact	Scratch	Soil	Recycled Content	Recycle
METALWORKS™ Capz™ Standard Sizes														
	64901M10 _ _	48 x 48 x 9/16" (1 pc carton)	0.75† •	0.61	Class A	•	•	•	•	•	•	•	•	•
	64902M10 _ _	48 x 48 x 9/16" (2 pc carton)	0.75† •	0.61	Class A	•	•	•	•	•	•	•	•	•
METALWORKS™ Capz™ Premium Sizes*														
	64780M10 _ _	24 x 48 x 9/16"	0.75† •	0.61	Class A	•	•	•	•	–	•	•	•	•
	64790M10 _ _	24 x 60 x 9/16"	0.75† •	0.61	Class A	•	•	•	•	–	•	•	•	•
	64910M10 _ _	24 x 72 x 9/16"	0.75† •	0.61	Class A	•	•	•	•	–	•	•	•	•
	64920M10 _ _	24 x 96 x 9/16"	0.75† •	0.61	Class A	•	•	•	•	–	•	•	•	•
	64930M10 _ _	36 x 36 x 9/16"	0.75† •	0.61	Class A	•	•	•	•	–	•	•	•	•
	64940M10 _ _	48 x 96 x 9/16"	0.75† •	0.61	Class A	•	•	•	•	–	•	•	•	•

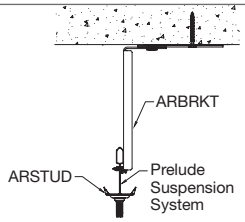
◆ When specifying or ordering, include the appropriate 2-letter suffix (e.g., 64901M10 W H for MetalWorks White).
* Minimum order quantities and extended lead times may apply. † With BioAcoustic™ infill item 5479. NRC of 0.90 with fiberglass infill 8200100.

METALWORKS™ CAPZ™





Uptight Clip Installation



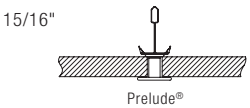
AR Bracket Installation

CAPS



CAPS for MetalWorks (5487_ _•)

SUSPENSION SYSTEMS



ACCESSORIES



Adjustable Hanger Bracket (ARBRKT)



Rigid Attachment Clip (QSUTC)



Cross Tee Plug Clip (ARPLUG)



Threaded Stud (ARSTUD)



Clip (STAC)

PHYSICAL DATA

Material
MetalWorks™ – aluminum composite – 0.57" thick.

Surface Finish
Optima® White – a DuraBrite® finish with factory-applied latex paint providing superior light reflectance. Spectra Black – a factory-applied latex paint. MetalWorks – factory-applied powder-coated finish (post-coated).

Fire Performance
MetalWorks™ – ASTM E84 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

VOC Emissions (MetalWorks™ only)
Third-party certified compliant with California Department of Public Health CDPH/EHLB/ Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED®, CalGreen Title 24, ANSI/ ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Panel Deflection
Capz™ panels will naturally deflect due to the Capz™ four-point (or more) suspension system. Deflection of up to 1/8" has been documented in some cases. Panels should not be installed perpendicular to each other due to varying degrees of deflection.

Design & Installation Considerations
In situations where all suspension points cannot be used, follow our technical guide BPCS-3939 for recommendations.

Panels are installed directional and are marked on the back with arrows. Suspension system may be visible at panel intersection. Consider using coordinating Prelude® 15/16" suspension system. Panels may be stacked in layers. Panels may be installed on a slope using guidelines found in installation instructions BPLA-297435.

Warranty
MetalWorks™ Capz™ – 1 year
Details at armstrongceilings.com

Weight; Square Feet/Carton
MetalWorks™ – 1 lb/SF

TechLine / 1 877 276-7876
armstrongceilings.com/capz

BPCS-4056-517

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INVISACOUSTICS™ Basics

Acoustical Panels
smooth texture



InvisAcoustics™ Basics 24" x 48" panels



Fine-textured hidden acoustical solution that maintains the integrity of exposed structure designs while reducing noise.

KEY SELECTION ATTRIBUTES

- Good acoustical absorption – NRC (0.75)
- Field paintable option – can be sprayed same color as deck
- Smooth, clean durable finish –
  - Scratch-resistant
  - Soil-resistant
- InvisAcoustics™ panels are part of the Sustain™ portfolio and meet the most stringent sustainability compliance standards today (white and field paintable)
- Panels cut easily to fit into any space
- Quick, easy install using hat channel or furring strips
- Foolproof, "all-in-one" screw allows for fast installation without the danger of over-driving and damaging the panel

TYPICAL APPLICATIONS

- Exposed Structure
- Open plenum offices
- Painted decks
- Drywall spaces requiring acoustical correction
- Retail
- Hospitality

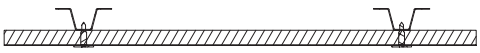
PANEL COLOR* SELECTION

White (WH) | Tech Black (BL) | No Finish – Field Paintable (FP)

FASTENER COLOR SELECTION

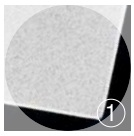
White (WH) | Tech Black (BL) | Mill Finish

INSTALLATION DETAILS



*NOTE: Ceiling Panels are dye-lotted and should be separated by dye lot. Do not mix.

DETAILS (See details online).



1. InvisAcoustics™ Basics

INVISACOUSTICS™ Basics

Acoustical Panels
smooth texture

Declare℠ Living Building Challenge Compliant (Excluding 1212BL)

SUSTAIN™ High Performance Sustainable Ceiling Systems

UP TO 84% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

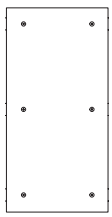
LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD ✓ | recyclable/ extended producer resp. ✓ | biobased materials ✓ | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting ✓ | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance. $$$$

Edge Profile	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC	+ CAC	= Total Acoustics[1]	Fire Performance	Light Reflect	Anti-Mold & Mildew Bio-Block	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Wash	Durability: Scratch	Durability: Soil	Durability: Recycled Content	Recycle Program	10-Yr Warranty
INVISACOUSTICS™ Basics Standard Sizes																
	**1212WH**	24 x 48 x 3/4"	0.75 •	N/A	–	Class A	N/A	•	•	•	N/A	•	•	•	•	•
	1212BL*	24 x 48 x 3/4"	0.75 •	N/A	–	Class A	N/A	•	•	•	N/A	•	•	•	•	•
	1212FP	24 x 48 x 3/4"	0.75 •	N/A	–	Class A	N/A	N/A	–	•	N/A	•	•	•	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.

* Tech Black is not included in the Sustain™ portfolio

ACCESSORIES



Fasteners – must be ordered separately
"All-in-One" self-stopping fastener

Mill Finish (1216)
Colors (1216__)

PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint (Items 1212WH, 1212BL)
Factory-applied scrim (Item 1212FP)

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled except field painted panels.)

ASTM E1264 Classification
Type IV, Form 2, Pattern E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Factory-finished panels offer BioBlock® performance and resist the growth of mold and mildew. Mold/mildew performance of unpainted/field painted panels is determined by the type of paint used.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Field Painting Considerations
Recommend Sherwin-Williams® Waterborne Acrylic Dry Fall (B42W1) or substitute Alkali based, flat latex paint with similar properties. Field painting may alter acoustical and fire performance.
Recommended Spread Rate per Coat:
Wet Mils: 3.5-5.0
Dry Mils: 1.5-2.0

Installation Considerations
Install using all-in-one screw (1216) on furring.Panels can be butted short edge to short edge or long edge to long edge. Due to directionality, do not butt short edge to long edge. Factory Painted celing panels are dye-lotted and should be separated by dye lot. Do not mix.

Insulation Value
R Factor – 3.2 (BTU Units)
R Factor – 2.9 (Watts Units)

10-Year System & Warranty
When installed with Armstrong® Ceilings All-in-One screw (Item 1216). Details at armstrongceilings.com

Weight; Square Feet/Carton
1212WH, 1212BL, 1212FP – 1.08lbs/SF; 48 SF/ctn

Minimum Order Quantity
1 carton

TechLine / 1 877 276 7876
armstrongceilings.com/commercial
(search: invisacoustics)

BPCS-5704-1017

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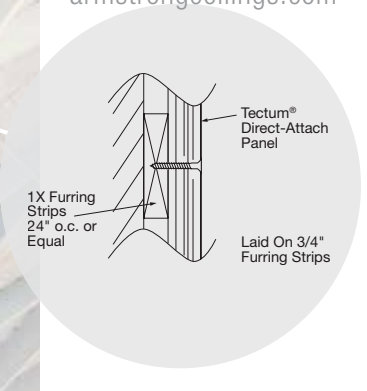
TECTUM® Direct-Attach

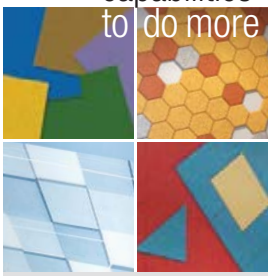
Acoustical Ceiling Panels
coarse texture

CAD/Revit® drawings at:
armstrongceilings.com


Tectum® Direct-Attach ceiling panels in White



plus...
capabilities
to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Tectum® Direct-Attach ceiling panels provide durable, sustainable, acoustical options for a wide variety of applications.

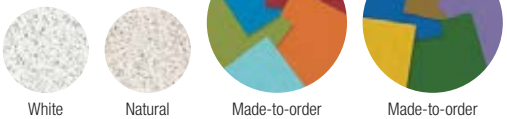
KEY SELECTION ATTRIBUTES

- Durable for heavy-use interiors
- Great retrofit solution for noise reduction
- Excellent noise absorption – NRC up to 0.85
- Tectum® 1" panels are part of the Sustain™ portfolio and meet the most stringent sustainability standards today
- Can be field painted up to six times without impacting acoustic or fire performance
- Wide variety of color options available, including made-to-order Colorations® colors and Sherwin-Williams® colors
- Can be mechanically fastened to a wide variety of surfaces including masonry, drywall, wood, and more

TYPICAL APPLICATIONS

- Gymnasiums
- Auditoriums
- Multi-purpose Spaces
- Exposed Structures
- Acoustical Retrofits
- Education Spaces

COLORS
Due to printing limitations, shade may vary from actual product.


White (TWH)

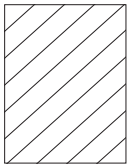
Natural (TNA)

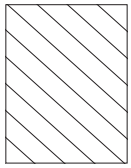
Made-to-order Colorations® Colors Available

Made-to-order Sherwin-Williams® Colors Available

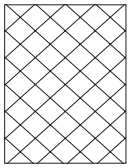
Note: Colorations® colors and panels greater than 1" thick are not included in Sustain™ portfolio.

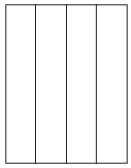
LINE DESIGN CAPABILITIES
Available through special order.

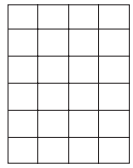

Diagonal Right Line-Design Panel


Diagonal Left Line-Design Panel


Horizontal Line-Design Panel


Diamond Line-Design Panel


Vertical Line-Design Panel


Grid Line-Design Panel

DETAILS


1


2

1. Tectum® Direct-Attach Panel in White
2. Tectum® Direct-Attach Panels in White

Note: Panel edges are unfinished.

TECTUM® Direct-Attach

Acoustical Ceiling Panels
coarse texture

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

FSC www.fsc.org FSC® C007626 The mark of responsible forestry (upon request)

For LEED contribution visit armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt; regional materials ✓; design for flexibility; EPD ✓; recyclable/ extended producer resp.; biobased materials; FSC (for wood) ✓; recycled content; sourcing of raw materials ✓; material ingredient reporting ✓; low emitting/ materials ✓; lighting quality; acoustics

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance.

ACOUSTICAL INFORMATION

Edge Profile	Item No. ◆	Dimensions Nominal W x L x H (Inches)	Fire Rating	Light Reflect (White Only)	Anti-Mold & Mildew BioBlock	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Wash (Durability)	Impact (Durability)	Scratch (Durability)	30-Yr Warranty	Panel Thickness	NRC	Mounting Method
TECTUM® Direct-Attach Ceiling Panels (FSC Certified Available Upon Request)														
Long Edges Beveled/ Short Edges Square	**8182T10_ _ _**	23-3/4 x 48 x 1"	Class A	Up to 0.75	•	•	•	•	•	•	•	1"	0.40 0.45 0.80 • 0.85 •	A D-20 C-20 C-40
	8181T10_ _ _	23-3/4 x 96 x 1"	Class A	Up to 0.75	•	•	•	•	•	•	•			
	8180T10_ _ _	47-3/4 x 96 x 1"	Class A	Up to 0.75	•	•	•	•	•	•	•			
	Other Size Panels	W 23-3/4" – 48" L: 12" – 144" 1", 1-1/2", or 2" thickness	Class A	Up to 0.75	–	–	–	•	•	•	•			

◆ When specifying or ordering, include the appropriate 3-digit color suffix TNA = Natural TWH = White (e.g. 8182T10 T W H)
For four-sided beveled edge panels, special sizes and colors, call TechLine at 1 877 276-7876.

FSC®-certified panels available upon request

Four-sided beveled edge panels are recommended in adjoining panel installation

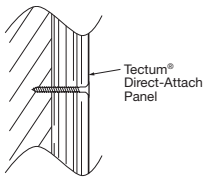
ACCESSORIES

Item No. ◆	Description	Quantity
8187L16_ _ _	#6 x1-5/8" Painted Head – Sharp point Screws	1000/ctn
8188L16_ _ _	#6 x1-5/8" Painted Head – Drill point Screws	1000/ctn
8189L22_ _ _	2-1/4" Painted Head – CMU Screws	500/ctn

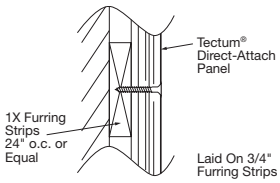
◆ When specifying or ordering, include the appropriate 3-digit color suffix TNA = Natural; TWH = White (e.g. 8187L16 T W H)
Consult installation instructions for fastener guidance.

ACOUSTICAL MOUNTING METHODS

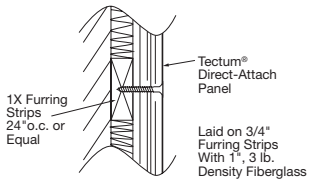
Mounting A



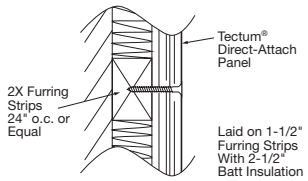
Mounting D-20



Mounting C-20



Mounting C-40



PHYSICAL DATA

Material
FSC Certified panels available upon request.
Cementitious Wood Fiber; FSC®-cerified (COC-003601). For more information about FSC®-certified fire-retardant products, or to view our FSC®-certification letter, contact TechLine at 1 877 276 7876.

Surface Finish
Factory-applied latex paint with Silicate surface coating for abuse resistance. Natural is unpainted.

Fire Performance
Class A per IBC. Flame Spread Index 25 or less and Smoke Developed Index 50 or less when tested in accordance with ASTM E84.

CAN/ULC S102 surface burning characteristics. Flame Spread Index of 25 or less and Smoke Developed Index of 50 or less (painted, face only).

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED®, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Tectum® panels meet CDPH guidelines in enclosed office wall applications at 50% coverage. View certificate details at armstrongceilings.com/tectum.

Humidity/Sag Resistance
HumiGuard® Plus panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

Installation Considerations
Panels must be mechanically attached to approved substrate per installation instructions. To achieve proper finished visual panels should be installed in an ashlar pattern. Four-sided beveled edge panels are recommended in adjoining panel installations.

Use caution and wear appropriate hand, eye, and dust mask protection when cutting and installing Tectum® panels. Refer to installation instructions for complete details and cutting recommendations.

Primary (Embodied) Energy
See all LCA information on our EPDs.

Application Considerations
Color variation among panels is common due to the natural characteristics of the wood on White and Natural panels.

Wood fibers may appear orange on Natural colored panels due to the characteristics of the wood.

Design Considerations
For walls that may experience condensation or moisture, such as uninsulated exterior walls, D- or C- mounting is required to create a gap between the structure and the panel.

Design Support
Project management assistance is available by calling TechLine at 1 877 276 7876.

Specification Consideration
FSC Certified panels available upon request.
Attention: For FSC®-certified wood products to maintain their CoC certification, products must be sold to a CoC-certified distributor or directly to the installing contractor. Failure to do so breaks the CoC.

Seismic Restraint
Tectum Direct Attach panels are approved for application in all seismic areas when installed per Armstrong Ceilings Installation Instructions.

Warranty
30-Year Warranty. Details at armstrongceilings.com

Weight, Pcs and SF/Pallet
1" – 1.65 lbs/SF
8180T10 – 36 pcs/pallet; 1,152 SF/pallet
8181T10 – 72 pcs/pallet; 1,152 SF/pallet
8182T10 – 72 pcs/pallet; 572 SF/pallet

TechLine / 1 877 276 7876
armstrongceilings.com/tectum

BPCS-5614-817

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Armstrong® CEILING & WALL SOLUTIONS

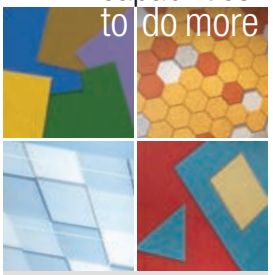
TECTUM® Finale™

Acoustical Custom Ceiling Panels
coarse texture



Tectum® Finale™ Ceiling Panels

plus... capabilities to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Tectum® Finale™ high NRC ceilings provide durable, sustainable, acoustical solutions for a wide variety of applications.

KEY SELECTION ATTRIBUTES

- Composite panel design combines Tectum® panel and acoustical absorptive material in one for maximum sound control and efficient installation
- Excellent Noise Absorption NRC up to 1.0* for maximum sound absorption (1" panels)
- Panel sizes in 1", 1-1/2", and 2" thickness; widths: 23-3/4" to 47-3/4"; lengths: 48" to 144"
- Available in White, Natural, and made-to-order Colorations® colors and Sherwin-Williams® colors
- Abuse resistant for active spaces
- Long edges beveled, square ends
- Can be mechanically fastened to a wide variety of surfaces including masonry, drywall, wood, and more

COLORS
Due to printing limitations, shade may vary from actual product.



White (TWH) | Natural (TNA) | Made-to-order Colorations® Colors Available | Made-to-order Sherwin-Williams® Colors Available

DETAILS



DIRECT-TO-DECK

Sherwin-Williams® is a registered trademark of the Sherwin-Williams Company

Armstrong® CEILING & WALL SOLUTIONS

TECTUM® Panel Art

Custom Panels
coarse texture



Tectum® Panel Art Ceiling Panels

plus... capabilities to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Tectum® Panel Art ceiling panels offer unlimited design flexibility and easy installation.

KEY SELECTION ATTRIBUTES

- Eight shapes and custom options available
- Choose from 1", 1.5", and 2" panel thickness: create your own custom shapes from panels up to 48" x 48"
- Available in White, Natural, and made-to-order Colorations® colors and Sherwin-Williams® colors
- Noise absorption – NRC 0.40 (1" panel)
- Abuse resistant for active spaces
- All panels have beveled edges
- Can be mechanically fastened to a wide variety of surfaces including masonry, drywall, wood, and more

COLORS
Due to printing limitations, shade may vary from actual product.



White (TWH) | Natural (TNA) | Made-to-order Colorations® Colors Available | Made-to-order Sherwin-Williams® Colors Available

SHAPES
Examples of custom options



Square
.631 lb/pc
Width: 8"
Length: 8"

Rectangle
1.4 lb/pc
Width: 8"
Length: 16"

Hexagon
.575 lb/pc
Width: 7.5"
Length: 8-11⁄16"

Circle
.475 lb/pc
8" Diameter

16" Triangle
1.425 lb/pc
Width: 16"
Length: 16"

8" Triangle
.375 lb/pc
Width: 8"
Length: 8"

Right Parallelogram
.700 lb/pc
Width: 8"
Length: 16"

Left Parallelogram
.700 lb/pc
Width: 8"
Length: 16"

Sherwin-Williams® is a registered trademark of the Sherwin-Williams Company

NRC + CAC = Total Acoustics®

TOTAL ACOUSTICS®

Watch the Total Acoustics® video series with Julian Treasure at: armstrongceilings.com/totalacoustics



Total Acoustics® ceilings have an ideal combination of noise reduction and sound-blocking performance in one panel with a minimum NRC of 0.60 and CAC of 35. Now, whether you're creating a space for quiet concentration, collaboration, or confidentiality, one panel meets the needs for today's flexible spaces.

Perforated metal ceilings can provide sound absorption with the addition of mineral fiber or acoustical fleece backing.

Acoustical absorption is important to:
- Reduce noise levels and reverberation time as well as enhance speech intelligibility

A continuous MetalWorks™ ceiling with an M3 perforation and acoustical infill panel provides sound absorption (NRC 0.70), reducing reverberation by 84%. See example below.

MetalWorks™ perforated panels installed with an acoustical infill panel achieve Total Acoustics® Performance.

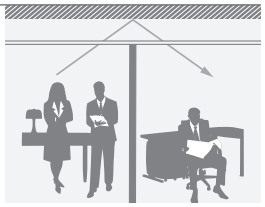
NRC (Noise Reduction Coefficient)

A measure for rating the overall sound absorption of a material when used in an enclosed architectural space such as an office, where sound is reflected at many angles of incidence. A ceiling system with an NRC < 0.50 is considered low performance, whereas one with NRC > 0.70 is considered high performance.



CAC (Ceiling Attenuation Class)

A measure for rating the performance of a ceiling system as a barrier to airborne sound transmission through a common plenum between adjacent closed spaces, such as offices. A ceiling system with a CAC < 25 is considered low performance, whereas one with CAC > 35 is considered high performance. CAC is important between closed spaces and from closed rooms to adjacent spaces, such as corridors and open office spaces.

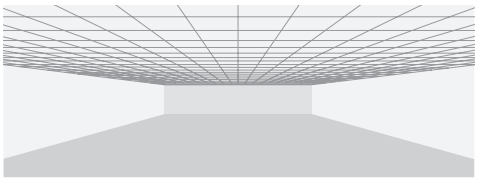


Example:

Exposed Structure



Continuous Ceiling



5,000 SF Exposed Structure (50' x 100'), 15' to deck, drywall with windows on two sides, commercial carpet	No Treatment (0% Coverage)	Continuous MetalWorks Ceiling with M3 Extra Microperforated panels and acoustical infill panel	Continuous MetalWorks Ceiling with M2 Microperforated panels and 2820 acoustical infill panel
Ceiling	**Exposed Structure**	**Suspended 60" Below Deck**	**Suspended 60" Below Deck**
NRC	0	0.70	0.80
CAC	0	0.40	0.35
Reverberation Time	3.4 sec	0.6 sec	0.5 sec
RT Improvement	ref	82%	85%
SPL Reduction	ref	-5.0 dB	-6.0 dB

For definitions of acoustical terms, see pages 473-474 in this catalog.

METALWORKS™



METAL WORKS

METALWORKS™

METALWORKS™ Standard Ceilings
At-a-Glance

you inspire™
solutions center
helping to bring your one-of-a-kind ideas to life

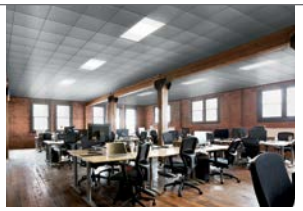
STANDARD CEILINGS



METALWORKS™ Tegular Pgs. 121-124



METALWORKS™ Vector® for Interior & Exterior Applications Pgs. 125-126



METALWORKS™ Clip-on Pgs. 127-128



METALWORKS™ Concealed Pgs. 129-130



METALWORKS™ Linear for Interior & Exterior Applications Pgs. 131-134



METALWORKS™ Mesh™ Pgs. 135-138



METALWORKS™ Open Cell Pgs. 139-140



METALWORKS™ Plank Pgs. 141-142



METALWORKS™ SecureLock™ Pgs. 143-144



METALWORKS™ Snap-in Pgs. 145-146



METALWORKS™ 3D Pgs. 147-148



METALWORKS™ Tin Pgs. 149-150



METALWORKS™ Torsion Spring Interior & Exterior Applications Pgs. 151-152



METALWORKS™ Capz™ Featured in Direct-to-Deck Pgs. 104-106



SERPENTINA® Vault Featured in Clouds & Canopies Pgs. 87-88



SERPENTINA® Waves™ Featured in Clouds & Canopies Pgs. 89-92

Armstrong® CEILING & WALL SOLUTIONS

METALWORKS™ Custom Ceilings
At-a-Glance

CUSTOM CEILINGS



METALWORKS™ TorsionSpan™ Pg. 162



METALWORKS™ Torsion Spring Pg. 162
Flat & Curved Systems



METALWORKS™ DH700 Pg. 159
Flat & Faceted Systems



METALWORKS™ Pg. 159
Fastrack Systems



METALWORKS™ RH200 Pg. 160
Flat & Curved Systems



METALWORKS™ RH200 Pg. 160
for Interior & Exterior Applications



METALWORKS™ RH215 Pg. 161
Flat & Faceted Systems



METALWORKS™ Pg. 161
Tartan Systems



METALWORKS™ Pg. 160
Radial Systems



METALWORKS™ Pgs. 141-142
SecureLock™ Plus



SERPENTINA® Classic Pgs. 85-86
Featured in Clouds & Canopies

ICON KEY

Icons are used throughout the catalog to help you quickly identify key products with high level of performance.

High Acoustics

Total Acoustics®

NRC + CAC — Perforated product has both NRC of 0.70 or greater AND CAC of 35 or higher when used with acoustic infill panels.

NRC — Product has NRC (Noise Reduction Coefficient) 0.70 or greater.

CAC — Product has CAC (Ceiling Attenuation Class) of 35 or higher.

Sabin measures are noted under canopies and clouds products

Fire Performance

Class A

High Light Reflectance

Light reflectance of 0.83 or greater.

Humidity/Sag Resistance

HumiGuard® Max

Recommended for areas with maximum humidity including outdoor locations.

HumiGuard Plus

Recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Seismic

DEF — Category D, E & F

High Durability

Water Repellent

Product resists water allowing for proper cleaning and infection control.

Washability

Offers superior wash resistance without compromising panel finish integrity, using a washability tester as per modified ASTM D2486.

Scrubbability

Withstands up to 150 scrub cycles using a scrubbability tester as per modified ASTM D2486.

Impact Resistance

Excellent resistance to surface impact as per Falling Ball Test.

Scratch Resistance

Excellent resistance to surface scratching, scuffing, or chipping as per Hess Rake Test.

Soil Resistance

Excellent resistance for dirt and/or grease for lasting value and performance.

Plenum Access

Downward access for panels minimizes panel damage.

Color Availability

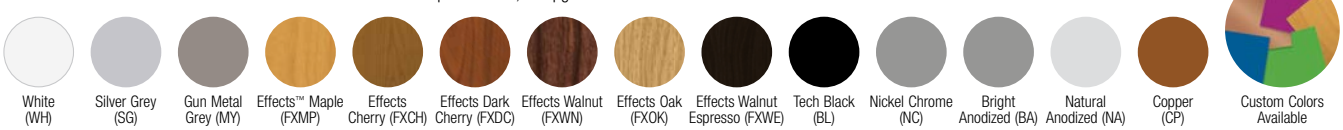
Available in color.

Sustainability

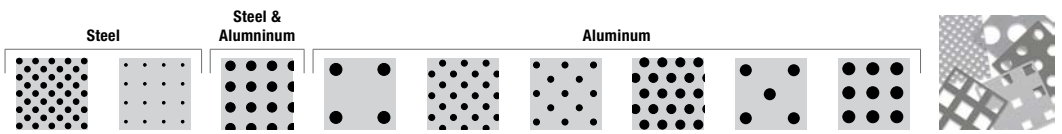
Product is part of Sustain™ Portfolio and meets the most stringent sustainability compliance standards today.

COLORS AND PERFORATIONS

For more colors and perforations, see pgs. 101-106. Perforations shown at actual 1:2 scale.



White (WH) | Silver Grey (SG) | Gun Metal Grey (MY) | Effects™ Maple (FXMP) | Effects Cherry (FXCH) | Effects Dark Cherry (FXDC) | Effects Walnut (FXWN) | Effects Oak (FXOK) | Effects Walnut Espresso (FXWE) | Tech Black (BL) | Nickel Chrome (NC) | Bright Anodized (BA) | Natural Anodized (NA) | Copper (CP) | Custom Colors Available



Steel: M2, M3 | Steel & Alumninum: M10 | Aluminum: M14, M15, M16, M17, M18, M19 | Custom Perforations Available

METALWORKS™ Standard Ceilings – Steel

Standard Finishes

Not all finishes available on all perforations. Consult product page or your Armstrong Ceilings representative for more information.

	Clip-on	Torsion Spring	Concealed	Snap-in	Tegular	Vector®	Linear	Plank	Mesh™	SecureLock™	3D	Tin	TorsionSpan™
White (WH)			✔		✔	✔	✔	✔	✔	✔			
Silver Grey (SG)			✔		✔	✔	✔	✔	✔	✔			
Gun Metal Grey (MY)			✔		✔	✔	✔		✔	✔			
Effects™ Wood Looks Maple (FXMP)					✔	✔	✔						
Effects Wood Looks Cherry (FXCH)					✔	✔	✔						
Effects Wood Looks Dark Cherry (FXDC)					✔	✔	✔						
Effects Wood Looks Walnut (FXWN)					✔	✔	✔						
Effects Wood Looks Oak (FXOK)					✔	✔	✔						
Effects Wood Looks Walnut Espresso (FXWE)					✔	✔	✔						
Tech Black (BL)									✔				
Nickel Chrome (NC)									✔				
Bright Anodized (BA)									✔				
Natural Anodized (NA)									✔				
Copper (CP)									✔				
Bronze (BZ)									✔				
Tin White (TWH)												✔	
Tin Bare Steel (TNA)												✔	
Tin Lacquered Steel (TLS)												✔	
Tin Copper (TCP)												✔	
Custom Colors	✔	✔		✔	✔	✔	✔		✔		✔	✔	

METALWORKS™ Standard Ceilings – Aluminum

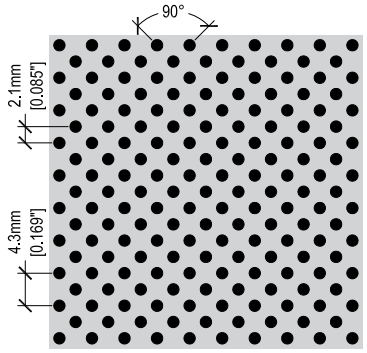
Standard Finishes

	Clip-on	Torsion Spring	Concealed	Snap-in	Tegular	Vector®	Linear	Plank	Mesh™	SecureLock™	3D	Tin	TorsionSpan™
Whitelume (WHA)	✔	✔		✔							✔		✔
Silverlume (SIA)	✔	✔		✔							✔		✔
Gun Metal (MYA)	✔	✔		✔							✔		✔
Satin Anodized (SAA)	✔	✔		✔									✔
Lacquer Mill (LMA)	✔	✔		✔									✔
Brushalume (BAA)	✔	✔		✔									✔
Reflections™ Arctic Maple (LAM)		✔		✔							✔		✔
Reflections™ Rock Maple (LRM)		✔		✔							✔		✔
Reflections Light Cherry (LLC)		✔		✔							✔		✔
Reflections Natural Maple (LNMPIE)		✔		✔							✔		✔
Reflections Natural Oak (LNOIE)		✔		✔							✔		✔
Reflections Pecan (LPC)		✔		✔							✔		✔
Reflections Mineral Forest (LMF)		✔		✔									✔
Reflections Walnut (LWN)		✔		✔							✔		✔
PureWood™ Maple (NMP)		✔											
PureWood™ Light Cherry (NLC)		✔											
PureWood™ Dark Cherry (NDC)		✔											
Custom Colors	✔	✔		✔	✔	✔	✔				✔	✔	

METALWORKS™

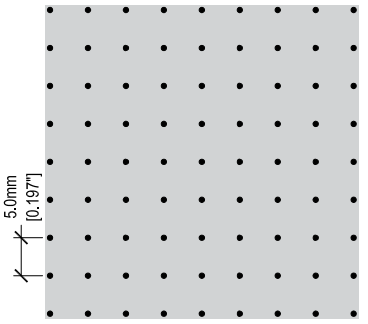
Standard Perforations

AVAILABLE ON STEEL PANELS Actual 1:1 scale shown unless otherwise noted.



M2 Microperforated

Type:	Round-Diagonal
Hole Size:	1.5mm [.059"]
% Open Area:	18.4%
Use with Steel	

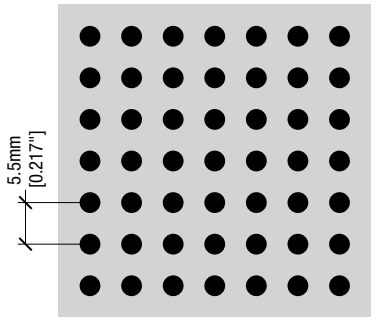


M3 Extra Microperforated Rg 0701

Type:	Round-Straight
Hole Size:	0.7mm [.028"]
% Open Area:	1.5%
Use with Steel	

See page 119 for premium perforations.
Not all perforations available on all products. Contact TechLine for additional information and custom perforation options.

AVAILABLE ON STEEL OR ALUMINUM PANELS Actual 1:1 scale shown unless otherwise noted.



M10 Capz™ Concealed

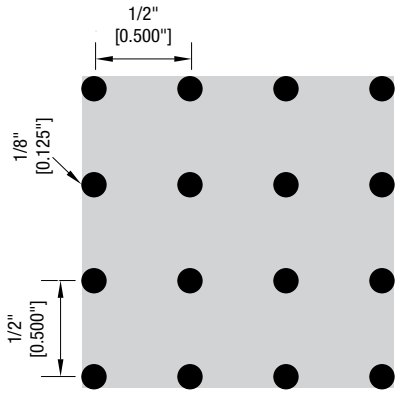
Type:	Round-Straight
Hole Size:	2.5mm x 2.5mm [.098 x .098"]
% Open Area:	13.6%
Use with Steel or Aluminum	

Key for Perforation Names (Example – Rg 3205)

R	Hole shape (R = round / Q = square / L = oval / T = trapezoid)
g	Pattern (g = straight / d = diagonal / v = staggered)
07	Diameter of hole size in mm (Example – 0.7 mm)
01	% open area

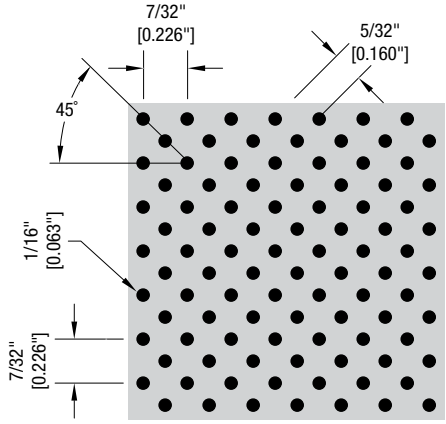
AVAILABLE ON ALUMINUM PANELS

Actual 1:1 scale shown unless otherwise noted.



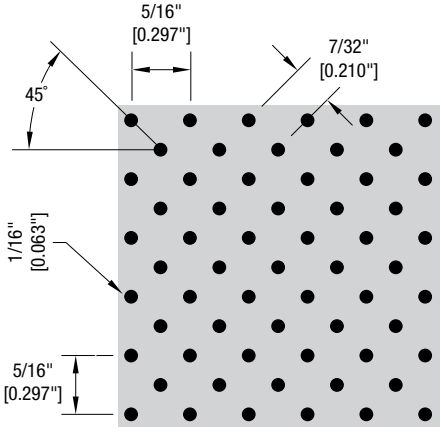
M14
Rg 3205

Type: Round-Straight
Hole Size: 3.18mm [.125"]
% Open Area: 5%
Use with Aluminum



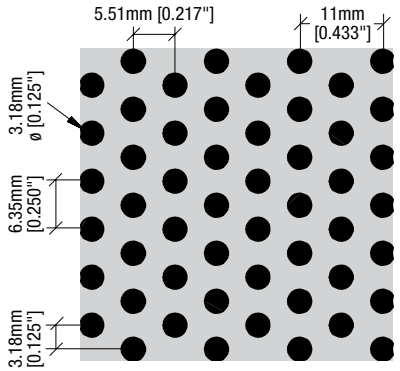
M15*
Rd 1612

Type: Round-Diagonal
Hole Size: 1.6mm [.063"]
% Open Area: 12%
Use with Aluminum



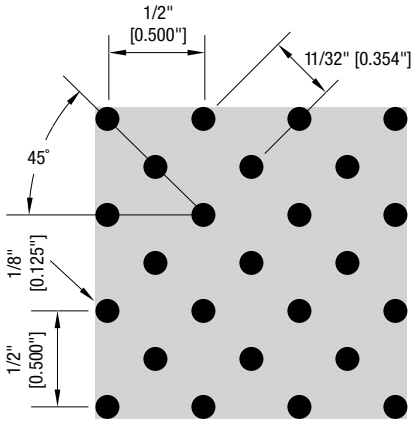
M16
Rd 1607

Type: Round-Diagonal
Hole Size: 1.6mm [.063"]
% Open Area: 7%
Use with Aluminum



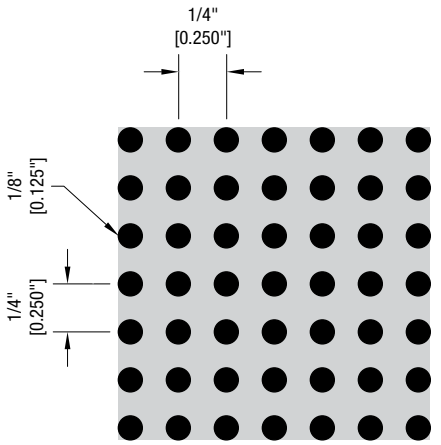
M17
Rd 3223

Type: Round-Diagonal
Hole Size: 3.2mm [.125"]
% Open Area: 23%
Use with Aluminum



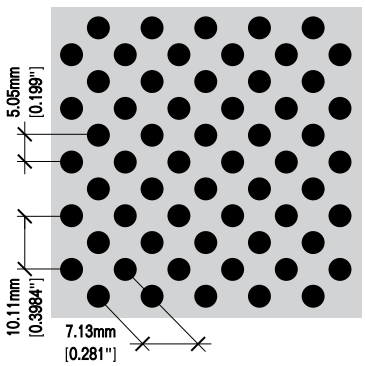
M18
Rd 3210

Type: Round-Diagonal
Hole Size: 3.2mm [.125"]
% Open Area: 10%
Use with Aluminum



M19
Rg 3220

Type: Round-Straight
Hole Size: 3.2mm [.125"]
% Open Area: 20%
Use with Aluminum



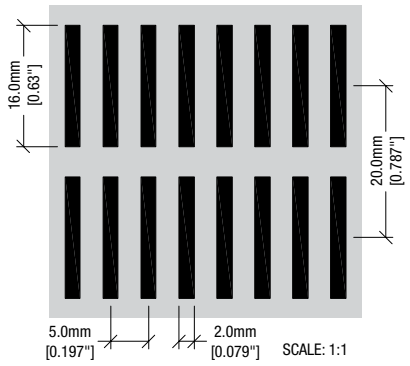
P4
SecureLock™
Microperforated

Type: Round-Diagonal
Hole Size: 2.76mm [.109"]
% Open Area: 23.5%
Use with Aluminum

* M20 designation is this perforation with Ceiltex™ finish applied on top. Standard on MetalWorks™ Torsion Spring only.

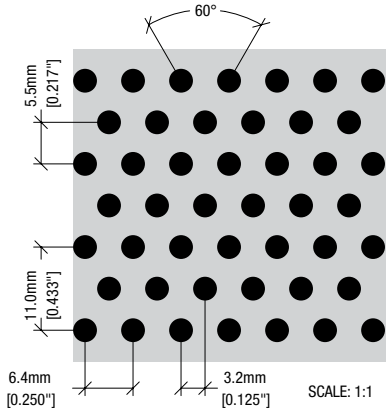
Ceiltex™ is a registered trademark of Armstrong World Industries

AVAILABLE ON STEEL PANELS



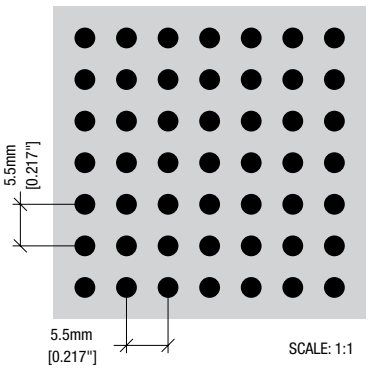
M5
Lg 16032

Type:	Square-Straight Slotted
Hole Size:	2.0mm [0.079"]
% Open Area:	32.0%



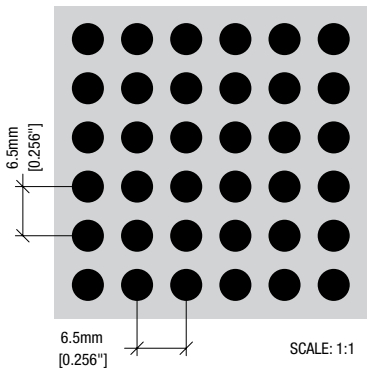
M9

Type:	Round-Staggered
Hole Size:	2.9mm [0.114"]
% Open Area:	24.4%



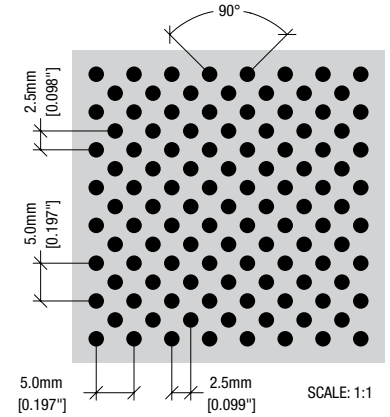
M10

Type:	Round-Straight
Hole Size:	2.5mm [0.098"]
% Open Area:	13.6%



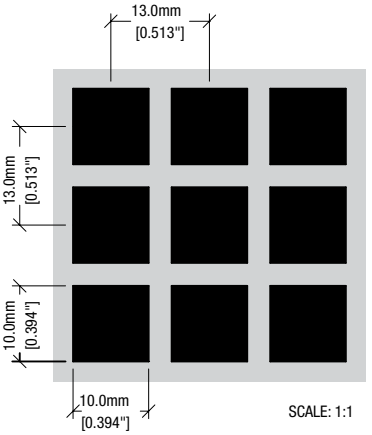
M11

Type:	Round-Straight
Hole Size:	4.1mm [0.157"]
% Open Area:	26.9%



M12

Type:	Round-Diagonal
Hole Size:	1.8mm [0.071"]
% Open Area:	20.8%



M13

Type:	Square-Straight
Hole Size:	10 x 10mm [0.394 x 0.394"]
% Open Area:	59.2%

CUSTOM STEEL PERFORATIONS

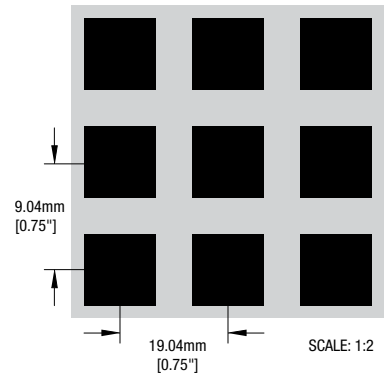
Over 30 custom perforations are available on our steel and aluminum panels.
Contact TechLine for assistance with your project at 1 877 276-7876.

Key for Perforation Names (Example – Qg 1945)

R	Hole shape (R = round / Q = square / L = oval / T = trapezoid)
g	Pattern (g = straight / d = diagonal / v = staggered)
07	Diameter of hole size in mm (Example – 0.7 mm)
01	% open area

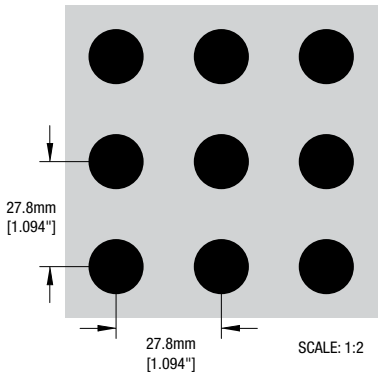
CUSTOM PERFORATIONS (partial list)

Actual 1:1 scale shown unless otherwise noted.



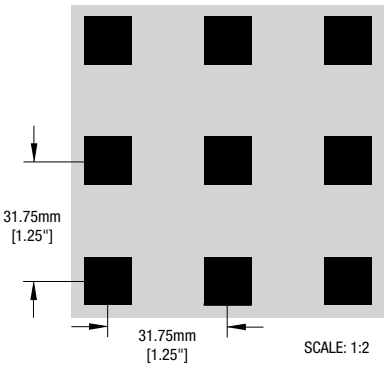
M25
Qg 1945

Type: Square-Straight
Hole Size: 19.04 x 19.04mm [.075 x .075"]
% Open Area: 45%



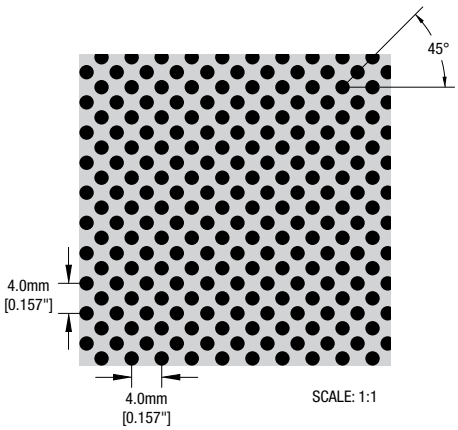
M26
Lg 1421

Type: Round-Straight
Hole Size: 14.24mm [.056"]
% Open Area: 21%



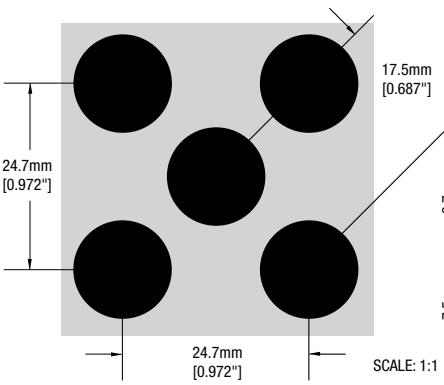
M27
Qg 1216

Type: Square-Straight
Hole Size: 12.7 x 12.7mm [.50 x .50"]
% Open Area: 16%



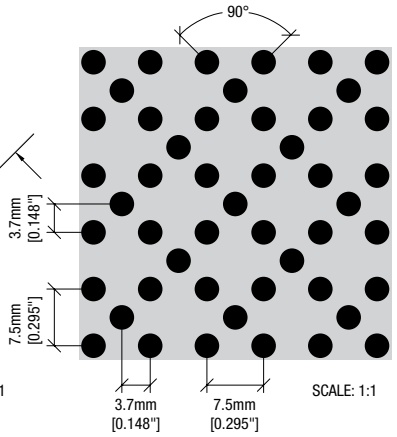
M28
Rd 1625

Type: Round-Diagonal
Hole Size: 1.6mm [.0625"]
% Open Area: 25%



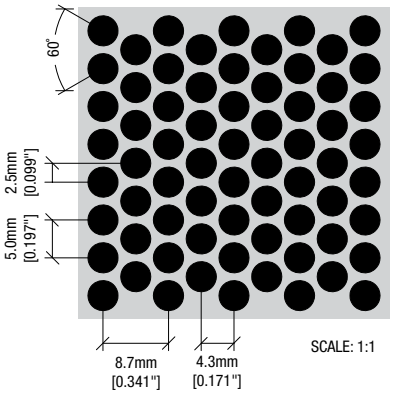
M29
Rd 1242

Type: Round-Diagonal
Hole Size: 12.7mm [.500"]
% Open Area: 42%



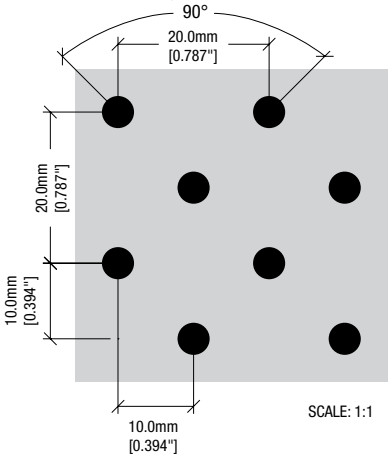
Rd 3019

Type: Round-Diagonal
Hole Size: 3.0mm [.118"]
% Open Area: 19%



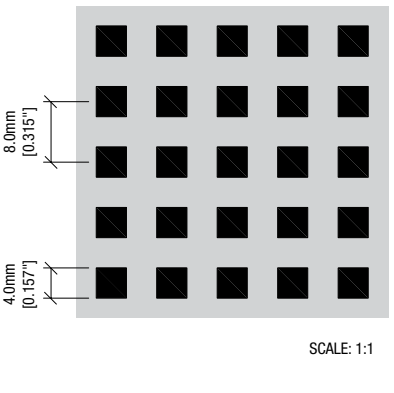
M4
Rv 4058

Type: Round-Staggered
Hole Size: 4.0mm [.157"]
% Open Area: 58%



Rd 4006

Type: Round-Diagonal
Hole Size: 4.0mm [.157"]
% Open Area: 6%



M6
Qg 4025

Type: Square-Straight
Hole Size: 4.0 x 4.0mm [.157 x .157"]
% Open Area: 25%

METALWORKS™

Tegular
smooth texture

TOTAL ACOUSTICS®
Sound Absorption (NRC)
+ Sound Blocking (CAC)

TrioGuard™ Dirt-Resistant Coating



MetalWorks™ Tegular unperforated panels in White with Prelude® XL® 15/16" suspension system and TrioGuard™ Coating (Pgs. 391-392)

plus... capabilities to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Now get Total Acoustics® performance with MetalWorks Tegular perforated panels – excellent noise reduction and sound blocking in one system.

KEY SELECTION ATTRIBUTES

- Get total noise control and design flexibility with Total Acoustics® ceiling panels: NRC + CAC = Total Acoustics® performance
- Available with TrioGuard™ coating that resists dirt, bacteria, mold, mildew, and color fading
- Panels can be used to create continuous looks or clouds using Axiom® or Effects™ Wood Looks trim
- MetalWorks Tegular panels available for TechZone® ceiling systems applications; see pages 337-344 for details
- Standard perforations available to enhance acoustical performance and design aesthetics
- Outstanding NRC with acoustical fleece or infill panel (0.65 – 0.90)
- BioAcoustic™ infill panels can enhance acoustics and contribute to LEED® credits
- 18" x 18" MetalWorks Tegular panels available for Metaphors® Coffers; see pages 281-282 for details

COLORS

Due to printing limitations, shade may vary from actual product.

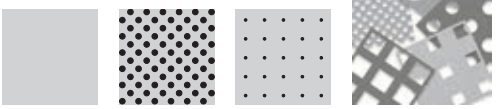


White (WH) | White with TrioGuard™ Coating (WH3G) | Silver Grey (SG) | Gun Metal Grey (MY)



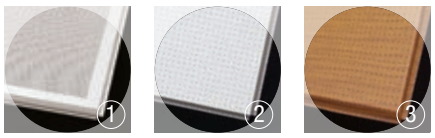
Effects Maple (FXMP) | Effects Cherry (FXCH) | Effects Dark Cherry (FXDC) | Effects Walnut (FXWN) | Effects Oak (FXOK) | Effects Walnut Espresso (FXWE) | Custom Colors Available

PERFORATION OPTIONS (1:2 scale shown)



M1 (Unperforated) | M2 (Microperforated) | M3 (Extra Microperforated) | Custom Perforations Available

DETAILS



1. MetalWorks Tegular Microperforated
2. MetalWorks Tegular Extra Microperforated
3. Effects Wood Looks Tegular Extra Microperforated

METALWORKS™

Tegular
smooth texture

UP TO 25% RECYCLED CONTENT

For LEED contribution contact TechLine

LEED®: energy management; construction waste mgmt; regional materials; design for flexibility; EPD; recyclable/extended producer resp.; biobased materials; recycled content; sourcing of raw materials; material ingredient reporting; low emitting/materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

▲ WITH INFILL PANEL

VISUAL SELECTION

Edge Profile	Item No. ◆	Dimensions Nominal W x L (Inches) Custom Sizes Available	Perforations
METALWORKS™ Flush Tegular (with acoustical fleece)			
15/16" Flush Tegular	**6461**_ _ _ _	24" x 24"	☐ M1, M2
METALWORKS 5/16" Square Tegular (with acoustical fleece)			
15/16" Square Tegular	**6462**_ _ _ _	24" x 24"	☐ M1, M2, M3
9/16" Square Tegular	**6464**_ _ _ _ _ _◆◆	24" x 24"	☐
METALWORKS 5/8" Square Tegular (with acoustical fleece)			
15/16" Square Tegular	**6463**_ _ _ _ †	24" x 24"	☐ M1, M2
9/16" Square Tegular	**6465**_ _ _ _ †	24" x 24"	☐

PERFORMANCE

Dots represent high level of performance.

	Light Reflect (White Only)	Wash	Scrub	Impact	Soil
		Durability			
15/16" Flush Tegular	0.77 (M1, M3) 0.61 (M2)	•	•	•	•
15/16" Square Tegular	0.77 (M1, M3) 0.61 (M2)	•	•	•	•
9/16" Square Tegular	0.77 (M1, M3) 0.61 (M2)	•	•	•	•

◆ When specifying or ordering, include the appropriate perforation, letter color, and, if needed, coating suffix with the item number (e.g., 6461 M 1 W H 3 G).

◆◆ Available in Effects™ Wood Looks finishes. NOTE: Perforation M2 not available in Effects finishes as a standard option.

† "S" Service item with extended lead time.

ACOUSTICAL INFORMATION

Performance determined by perforation size

Perforation		Infill Panel Item Number	NRC	+ CAC	= NRC+CAC	Total Acoustics[1]
M1	Unperforated		N/A	36 •	–	
NOTE: Available with TrioGuard™ Coating						
M2	Microperforated	8200100	0.90 •	N/A	–	
		5479	0.85 •	N/A	–	
		5823	0.85 •	N/A	–	
		1713	0.70 •	37 •	–	BETTER
		2820	0.80 •	35 •	–	BEST
M3	Extra Microperforated	8200100	0.70 •	N/A	–	
		5479	0.70 •	N/A	–	
		5823	0.70 •	N/A	–	
		2820	0.60	40 •	–	GOOD

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+)
BETTER (NRC 0.70-0.75; CAC 35+)
BEST (NRC 0.80+; CAC 35+)

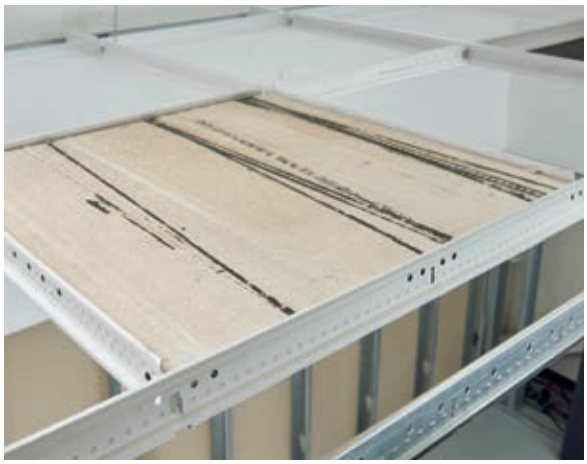
For perforation % open area, refer to Pages 103-106.
For infill panel information, refer to Page 140.

EXAMPLE: **6464 M1 WH 3G**

- 6464: Panel Dimension/Type: 15/16" Square Tegular
- M1: Perforation: M1 Unperforated
- WH: Finish: White
- 3G: TrioGuard™ Coating

TOTAL ACOUSTICS® PANEL INSTALLATION



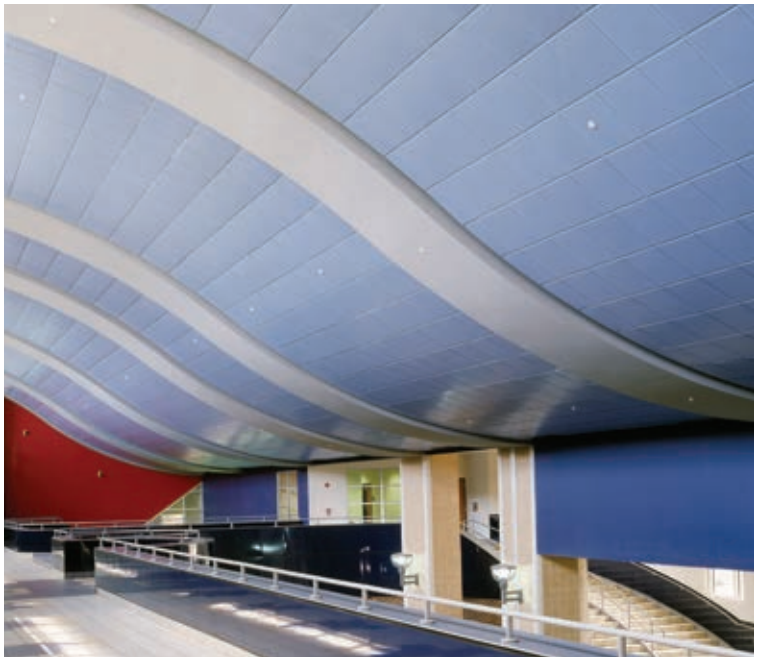


MetalWorks™ Tegular ceiling panel with Calla® 2820 acoustic infill panel for Total Acoustics® performance

METALWORKS™

Tegular
Installation Details

FACETED INSTALLATION

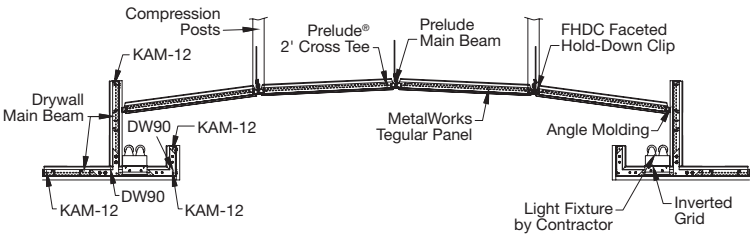


MetalWorks™ Tegular faceted panels

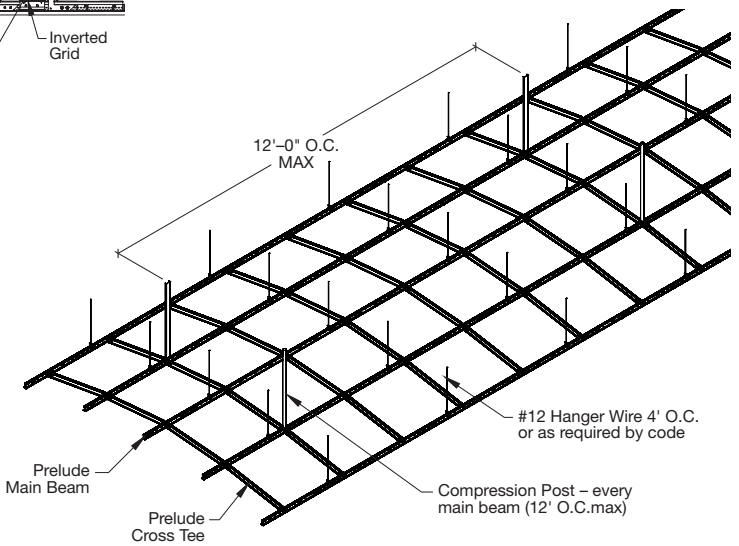


MetalWorks™ Tegular faceted panels

FACETED PERIMETER DETAILS



Perimeter conditions will require custom treatments. Moldings will need to be bent to match the angle of the ceiling where it contacts the walls at the straight sides, and will need to be cut to align with the panel segments on the faceted sides. It is recommended to have these installations tie into a wall or drywall bullhead rather than to attempt to create a floating ceiling condition.



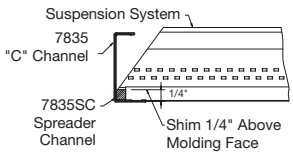
METALWORKS™

Tegular

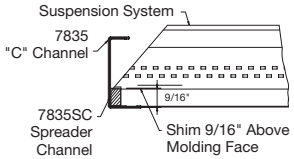
Perimeter Details, Accessories and Suspension Systems

PERIMETER INSTALLATION DETAILS (Spreader channel inserts into "C" channel with spring border clip item 7870 (Pg. 156).

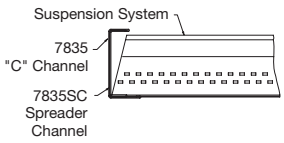
5/16" Square Tegular



5/8" Square Tegular



Flush Tegular



ACCESSORIES For additional accessories, including moldings and perimeter trim, see Pgs. 155-156.

Item No. ◆	Description	Dimensions (Inches)	Pieces/Carton
5342 _ _ _ _	2" Effects™ Wood Looks Trim	120 x 3/4 x 2"	6
5344 _ _ _ _	4" Effects Wood Looks Trim	120 x 4 x 4"	6
5346 _ _ _ _	6" Effects Wood Looks Trim	120 x 6 x 6"	6
6098_ _	Edge Cap for Cut Vector® Panels not available in Effects colors, order in Black (BL)	Nominal 24" length	50
84008_ _	Single Single Slot Air Diffuser not available in Effects colors, order in Black (BL)	24" x 24"	1
FXSPTHDC	Effects™ Hold-Down Clip for Cut Panel Installations	N/A	10
FHDC	Faceted Hold-Down Clip	N/A	10
1713	School Zone® Fine Fissured™ Square Lay-in Acoustic Panel	24 x 24 x 3/4"	14
2820	Calla® Square Lay-in Acoustic Panel	24 x 24 x 1"	10
5479	BioAcoustic™ Infill Panel (Beige – Matte)	24 x 24 x 5/8"	12
5823	BioAcoustic™ Infill Panel (Black – Matte)	24 x 24 x 5/8"	12
8200100	1" Fiberglass Infill Bag (Black – Gloss)	24" x 24"	12

◆ When specifying or ordering, include the appropriate 2-letter color suffix with the item number (e.g., 6098 B L).

SUSPENSION SYSTEMS

Available with TrioGuard™ coating*



* For more information about TrioGuard™ coating for suspension system, refer to Prelude® XL®, Pgs. 391-392, Suprafine® XL®, Pgs. 399-400 and angle molding Pg. 156.
Prelude and Suprafine suspension systems are available in coordinating colors. All other suspension systems are available in standard White only. Other colors available as special order.

PHYSICAL DATA

Material
Electrogalvanized Steel – 0.021" thickness

Surface Finish
Factory-applied powder-coated finish (post-coated for color and/or TrioGuard™ coating).

Product tested to be fade-resistant up to 10 years.

Custom colors also available. Contact TechLine for custom color matching requests at 1 877 276-7876.

Fire Performance
ASTM E84 and CAN/ULC S102. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

Acoustical Performance
CAC testing conducted using Prelude® XL® for 15/16" edge detail and Silhouette® for 9/16" edge detail.

ASTM E1264 Classification
Fire Class – Class A
Unperforated – Type XX, Pattern G
Perforated – Type XX, Pattern C

Installation Consideration
For Tegular faceted installations, a faceted Hold-Down Clip must be used, which will limit accessibility. If accessibility is required in a faceted application, use Vector® panels.

For information about faceted applications with square Tegular panels in 15/16" suspension system, refer to installation instructions on our web site at armstrongceilings.com/installation.

Seismic Restraint
MetalWorks™ Tegular panels have been engineered, tested, and approved for application in all seismic areas when installed per Armstrong Ceilings installation instructions.

Warranty
Details at armstrongceilings.com

Weight; Square Feet/Carton
6461M2 – 0.75 lbs/SF; 64 SF/Ctn
6461M1 – 0.80 lbs/SF; 64 SF/Ctn
6462M2 – 0.86 lbs/SF; 64 SF/Ctn
6462M1, 6463M2, 6465M2, 6462M3 – 0.89 lbs/SF; 64 SF/Ctn
6464M2, 6463M1, 6465M1, 6464M3 – 0.92 lbs/SF; 64 SF/Ctn
6464M1 – 0.97 lbs/SF; 64 SF/Ctn

TechLine / 1 877 276-7876
armstrongceilings.com/metalworks
(search: metalworks tegular)
BPCS-5109-517

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Armstrong® CEILING & WALL SOLUTIONS

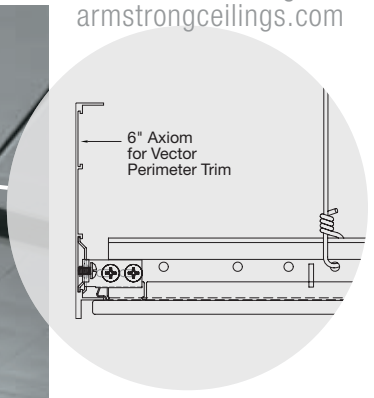
METALWORKS™

Vector® and Vector Exterior
smooth texture

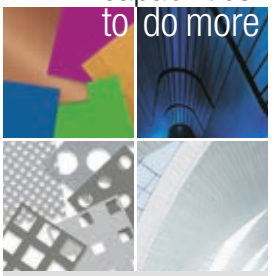
CAD/Revit® drawings at:
armstrongceilings.com



MetalWorks™ Vector® faceted panels with Serpentina® trim (Pgs. 85-86)



plus...
capabilities
to do more



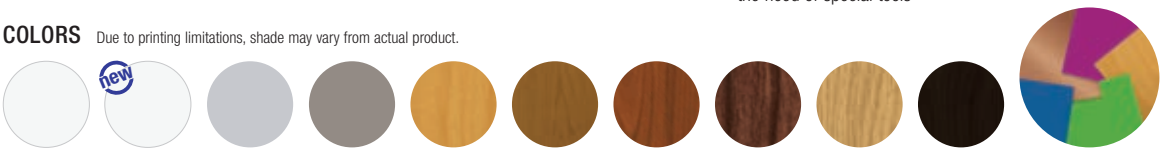
armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Durable, steel panels offer a 1/4" reveal and 100% downward accessibility.

KEY SELECTION ATTRIBUTES

- Available with TrioGuard™ coating that resists dirt, bacteria, mold, mildew, and color fading
- Exclusive Vector® panel edge profile installs on new or existing 15/16" exposed tee suspension system resulting in a thin 1/4" reveal
- Panels can be used to create continuous looks or clouds using Axiom® trim or Effects™ Wood Looks trim
- Standard perforations available to enhance acoustical performance and design aesthetics
- Exterior system available, tested to meet wind uplift Classes 30, 60, and 90
- Outstanding NRC with acoustical fleece or infill panel (0.65 – 0.90)
- Installs with minimal plenum clearance
- Plenum access per panel without the need of special tools

COLORS
Due to printing limitations, shade may vary from actual product.



White (WH) | White with TrioGuard™ Coating (WH3G) | Silver Grey (SG) | Gun Metal Grey (MY) | Effects Maple (FXMP) | Effects Cherry (FXCH) | Effects Dark Cherry (FXDC) | Effects Walnut (FXWN) | Effects Oak (FXOK) | Effects Walnut Espresso (FXWE) | Custom Colors Available

NOTE: Effects colors are only available for unperforated and extra microperforated panels.

Exterior

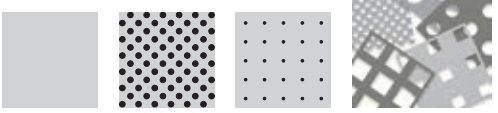
White Exterior (WH2) | Silver Grey Exterior (SG2) | Gun Metal Grey Exterior (MY2) | Effects Maple Exterior (FXMP2) | Effects Cherry Exterior (FXCH2) | Effects Dark Cherry Exterior (FXDC2) | Effects Walnut Exterior (FXWN2) | Effects Oak Exterior (FXOK2) | Effects Walnut Espresso Exterior (FXWE2)

DETAILS



1. MetalWorks™ Vector® Microperforated
2. MetalWorks Vector Extra Microperforated
3. MetalWorks Vector Unperforated with Prelude® XL® 15/16" suspension system

PERFORATION OPTIONS (1:2 scale shown)



M1 (Unperforated) | M2 (Microperforated) | M3 (Extra Microperforated) | Custom Perforations Available

Armstrong® CEILING & WALL SOLUTIONS

UP TO 25% RECYCLED CONTENT

For LEED contribution contact TechLine

LEED®: energy management; construction waste mgmt; regional materials; design for flexibility; EPD; recyclable/extended producer resp.; biobased materials; recycled content; sourcing of raw materials; material ingredient reporting; low emitting/materials; lighting quality; acoustics

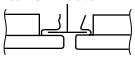
▲ LOCATION DEPENDENT

▲ WITH INFILL PANEL

METALWORKS™

Vector® and Vector Exterior
smooth texture

VISUAL SELECTION

Edge Profile	Item No. ◆	Dimensions (Inches)	Perforations
METALWORKS™ Vector®			
1/4" Reveal with 15/16" Vector® 	**6466**_ _ _ _ _ _ _	24" x 24" ☐	M1, M2, M3

PERFORMANCE

Dots represent high level of performance.

Light Reflect (White Only)	Wash	Scrub	Impact	Soil
	Durability			
0.77 (M1, M3) 0.61 (M2)	•	•	•	•

ACOUSTICAL INFORMATION

Perforation		% Open Area	NRC	CAC
M1	Unperforated	0%	–	36 •
NOTE: Available with TrioGuard™ Coating				
M2 	Micro-perforated	18.4%	0.70 • 0.90* •	31**
M3 	Extra Micro-perforated	1.5%	0.65 0.70* •	33**

* NRC 0.90 (microperforated) with optional fiberglass infill #8200100. NRC 0.70 (extra microperforated) with optional BioAcoustic™ infill #5479 or 5823.

** With optional field-cut #770 mineral fiber backing (cannot be used in addition to fiberglass infill #8200100).

◆ When specifying or ordering, include the appropriate color, perforation and, if needed, coating suffix with the item number (e.g., 6466 M 1 W H, 6466 M 3 F X C H, or 6466 M 1 W H 3 G).

NOTE: Perforation M1 available with TrioGuard™ coating
Perforation M2 available in Effects finishes as a custom option and a 1,000 SF minimum order quantity.

ACCESSORIES

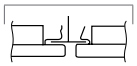
For additional accessories, including moldings and perimeter trim, see pgs. 140-141.

Item No. ◆	Description	Dimensions (Inches)	Pieces/Carton
5342 _ _ _ _	2" Effects™ Wood Looks Trim	120 x 3/4 x 2"	6
5344 _ _ _ _	4" Effects Wood Looks Trim	120 x 4 x 4"	6
5346 _ _ _ _	6" Effects Wood Looks Trim	120 x 6 x 6"	6
5479	BioAcoustic™ Infill Panel (Beige – Matte)	24 x 24 x 5/8"	12
5823	BioAcoustic™ Infill Panel (Black – Matte)	24 x 24 x 5/8"	12
6098_ _**	Edge Cap for Cut Vector Panels not available in Effects colors, order in Black (BL)	Nominal 24" length	50
8200100	1" Fiberglass Infill Bag (Black – Gloss)	24" x 24"	12
84008_ _**	Single Slot Air Diffuser not available in Effects colors, order in Black (BL)	24" x 24"	1
FXSPTHDC	Effects™ Hold-Down Clip for Cut Panel Installations	N/A	10

** Available in Effects™ Wood Looks finishes.

SUSPENSION SYSTEMS

Available with TrioGuard™ coating***

15/16" 

Prelude® XL®
Prelude XL for Exterior Applications

*** For more information about TrioGuard™ coating for Prelude® XL® suspension system, see Pgs. 391-392.

PHYSICAL DATA

Material
Electrogalvanized Steel – 0.021" thickness

Surface Finish
Factory-applied powder-coated finish (post-coated for color and/or TrioGuard™ coating).
Exterior: Factory-applied powder-coated finish (post-coated on both sides). Effects finish on face only.

Product tested to be fade-resistant up to 10 years.

Custom colors also available. Contact TechLine for custom color matching requests at 1 877 276-7876.

Fire Performance
Tested per ASTM E84 and CAN/ULC S102. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

ASTM E1264 Classification
Fire Class – Class A
Unperforated – Type XX, Pattern G
Perforated – Type XX, Pattern C

Installation Consideration
For information about accessible faceted applications, refer to installation instructions on our web site at armstrongceilings.com/installation.

Wind Uplift Performance
MetalWorks™ Vector® panels for exterior applications have been tested to meet wind uplift Classes 30, 60, and 90. There is no fleece on exterior panels. Visit armstrongceilings.com/metalworks or contact TechLine at 1 877 276-7876 for installation instructions and test documentation.

Seismic Restraint
MetalWorks™ Vector® panels have been engineered, tested, and approved for application in all seismic areas when installed per Armstrong Ceilings installation instructions.

Warranty
Details at armstrongceilings.com

Weight; Square Feet/Carton
6466M1, 6466M3 – 1.15 lbs/SF; 40 SF/ctn
6466M2 – 1.10 lbs/SF; 40 SF/ctn
Contact TechLine for weight information on panels with M4, M5, and M6 perforations.

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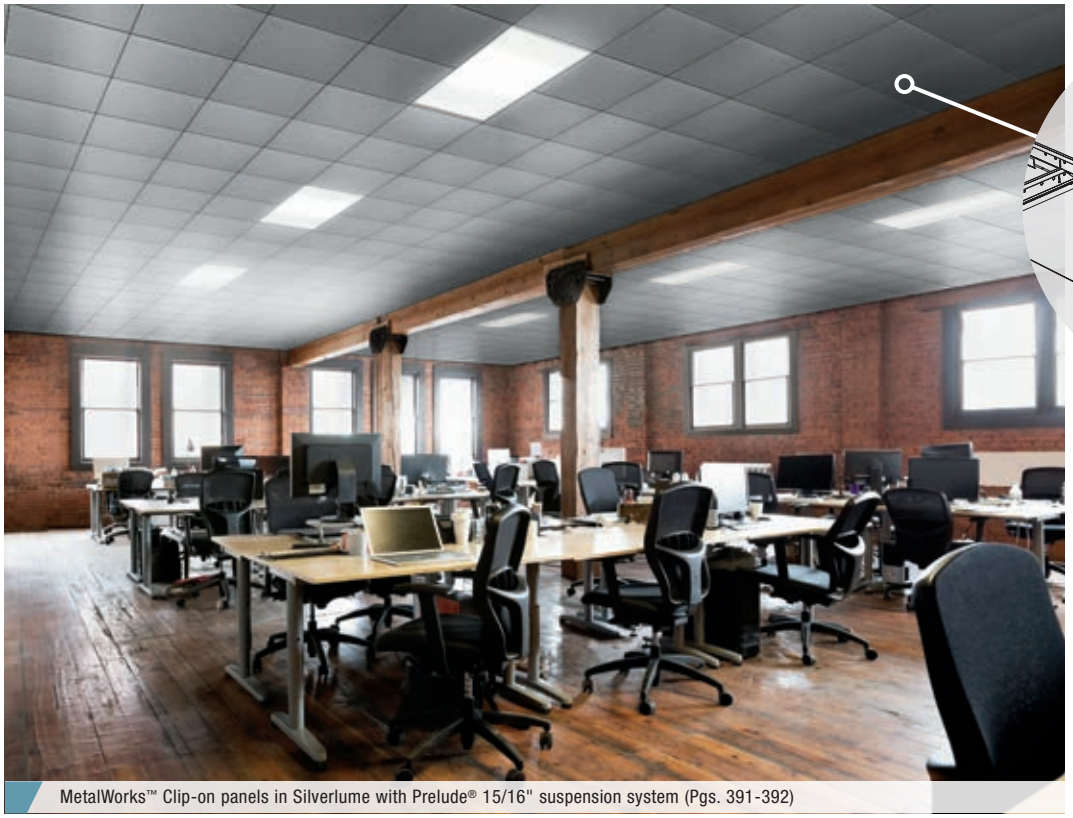
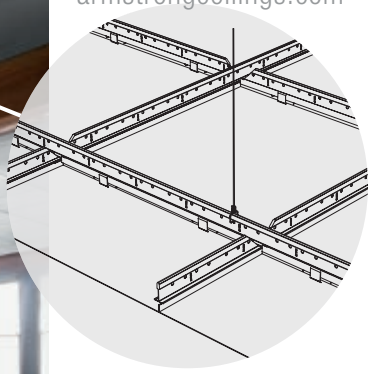
METALWORKS™ Clip-on

smooth texture

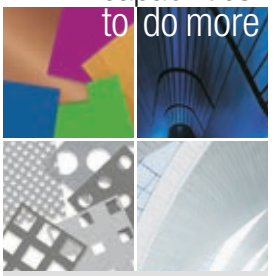


MetalWorks™ Clip-on panels in Silverlume with Prelude® 15/16" suspension system (Pgs. 391-392)

CAD/Revit® drawings at:
armstrongceilings.com



plus...
capabilities
to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Easy-to-install, downward-accessible panels are perfect for renovations.

KEY SELECTION ATTRIBUTES

- Great for renovations – transform spaces with existing 15/16" suspension quickly and easily
- MetalWorks Clip-on panels are part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today. Unperforated (M1) panels only.
- Choose from butt joint, 1/4", or 1/8" panel reveals
- 24" x 24" and 24" x 48" standard sizes; custom sizes available up to 24" x 48"
- Fixture frames provide a clean, finished look
- NRC values up to 0.90 with fiberglass infill panels

COLORS

Due to printing limitations, shade may vary from actual product.

MetalWorks



Whitelume (WHA)
Silverlume (SIA)
Gun Metal (MYA)

Part of the Sustain™ portfolio, meeting sustainability compliance standards



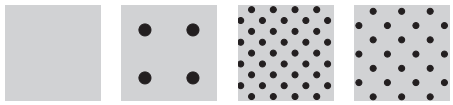
Satin Anodized (SAA)
Lacquer Mill (LMA)
Brushalume (BAA)



Custom Colors Available

PERFORATION OPTIONS

(1:2 scale shown)



M1 (Unperforated)
M14 (Rg 3205)
M15 (Rd 1612)
M16 (Rd 1607)



M17 (Rv 3223)
M18 (Rd 3210)
M19 (Rg 3220)



Custom Perforations Available

new METALWORKS™ Clip-on

smooth texture

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems Unperforated (M1)

UP TO 20% RECYCLED CONTENT

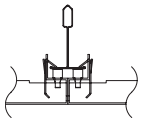
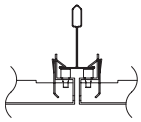
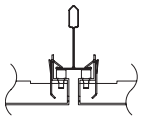
For LEED contribution contact TechLine

LEED®: energy management; construction waste mgmt; regional materials; design for flexibility; EPD; recyclable/ extended producer resp.; biobased materials; recycled content; sourcing of raw materials; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

▲ WITH INFILL PANEL

VISUAL SELECTION

Edge Profile	Item No. ◆	Dimensions (Inches) W x L x H Custom Sizes Available	Light Reflect
METALWORKS™ Clip-on			
Butt Joint 	**7110**_ _ _ _ _	24 x 24 x 1"	0.77
	7111_ _ _ _ _	24 x 48 x 1"	0.77
1/8" Reveal 	**7140**_ _ _ _ _	24 x 24 x 1"	0.77
	7141_ _ _ _ _	24 x 48 x 1"	0.77
1/4" Reveal 	**7154**_ _ _ _ _	24 x 24 x 1"	0.77
	7155_ _ _ _ _	24 x 48 x 1"	0.77

◆ When specifying or ordering, include appropriate perforation and color suffix (e.g., 71110 M 1 L M A) with item number.
NOTE: Light reflectance is for unperforated Whitelume.

PERFORMANCE

Dots represent high level of performance.

ACOUSTICAL INFORMATION

Perforation		NRC with acoustical fleece NRC	NRC with 1" fiberglass infill ** NRC
M1	Unperforated	–	–
M14	Rg 3205	0.55 •	0.85 •
M15	Rd 1612	0.70 •	0.90 •
M16	Rd 1607	0.70 •	0.80 •
M17	Rv 3223	0.75 •	0.90 •
M18	Rd 3210	0.65 •	0.85 •
M19	Rg 3220	0.75 •	0.90 •

** Maximum NRC achieved with acoustical infill (item 8200100).

EXAMPLE: 7110 M14 LMA

Panel item | Perforation: M14 Round Straight Rg 3205 | Finish: Lacquer Mill

STOCKED ITEMS

Item No.	Description	Dimensions (Inches) Nominal W x L x H	Color	Pieces/ Carton
7110M1CTN10WHA	–	Nominal 24"	Whitelume	10
7110M1CTN10SIA	–	Nominal 24"	Silverlume	10
7110M15CTN10WHA	–	Nominal 24"	Whitelume	10
7110M15CTN10SIA	–	Nominal 24"	Silverlume	10

ACCESSORIES

Item No. ◆	Description	Dimensions (Inches) Nominal W x L x H	Color	Pieces/ Carton
7112_ _ _	Box Molding	1 x 96 x 1"	WHA, SIA, MYA, SAA, LMA, BAA	10
7113_ _ _	Spreader Hold Down	1 x 10-5/8 x 1"	N/A	40
7119_ _ _	Fixture Frame	24" x 24"	WHA, SIA, MYA, SAA, LMA, BAA	1
7120_ _ _	Fixture Frame	24" x 48"	WHA, SIA, MYA, SAA, LMA, BAA	1
7223_ _ _	Perimeter Trim	1 x 96 x 4-1/4"	WHA, SIA, MYA, SAA, LMA, BAA	10
5823	BioAcoustic™ Infill Panel	24 x 24 x 5/8"	Black	12
8200100	1" Fiberglass Infill Bag	24 x 24 x 1"	Black (Gloss)	12

SUSPENSION SYSTEMS

15/16"



Prelude® XL®

PHYSICAL DATA

Material
Aluminum – thickness 0.040"

Surface Finish
Painted finishes: Factory-applied polyester paint. Custom colors also available.

Fire Performance
Painted aluminum finishes tested per ASTM E84. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

Painted Aluminum finishes CAN/ULC S102 surface burning characteristics: Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

Acoustical Options
Perforated panels are supplied with a black fiberglass fleece to absorb sound.

Recycled Content
Up to 20%.

Installation Considerations
Ensure suspension is level and square, whether using existing or new suspension system.

Design Considerations
Panel face sits 1" lower than the suspension system. Some light, sprinklers, and other components may need to be height adjusted when retrofitting.

Panels have a directional finish; follow direction arrows printed on the protective film.

Anodized and Lacquer Mill finishes may vary in shade between production runs as well as over time. Sizes can be mixed and matched on non-perforated panels only.

Butt joint panels are recommended if the suspension system is not coordinated with the panel color.

MetalWorks™ steel and aluminum panels are made at different manufacturing facilities that use different paint systems. Because of this, similar colors, i.e., White and Whitelume, are not exact color matches. Please consider this when designing adjacent spaces with multiple MetalWorks products.

Seismic Restraint
MetalWorks Clip-on panels have been engineered, tested, and approved for application in all seismic areas when installed per Armstrong Ceilings installation instructions.

Design Support
Project management assistance is available by calling TechLine at 1 877 276-7876.

Warranty
One (1) Year Limited Warranty.
Details at armstrongceilings.com

Weight
0.75 lbs/SF

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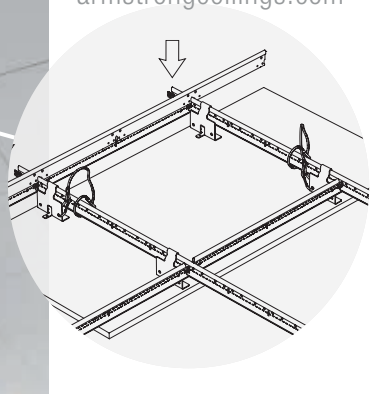
METALWORKS™ Concealed

smooth texture

CAD/Revit® drawings at:
armstrongceilings.com





MetalWorks™ Concealed 48" x 96" panels in Silver Grey



See more photos at:
armstrongceilings.com/photogallery
SEARCH: metalworks concealed

Large-size panels with concealed suspension are 100% accessible.

KEY SELECTION ATTRIBUTES

- Narrow 1/4" reveal offers clean, monolithic look
- Hook-on panels provide safe and secure downward accessibility
- Create continuous look or use with clouds and perimeter trim
- Lightweight panels install with standard 15/16" suspension system
- Complete standard system from one manufacturer

COLORS

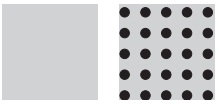
Due to printing limitations, shade may vary from actual product.



White (WH) | Silver Grey (SG) | Gun Metal Grey (MY)

PERFORATION OPTIONS

(1:2 scale shown)



M1 (Unperforated) | M10 (Rg 2513)

METALWORKS™ Concealed

smooth texture

UP TO 85% RECYCLED CONTENT

For LEED contribution contact TechLine

LEED®: energy management; construction waste mgmt; regional materials; design for flexibility; EPD; recyclable/extended producer resp.; biobased materials; recycled content; sourcing of raw materials; material ingredient reporting; low emitting/materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

▲ WITH INFILL PANEL

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Edge Profile	Item No. ◆	Dimensions (Inches) W x L x H	Perforations	Light Reflect (White Only)	Wash	Scrub	Impact	Soil
METALWORKS™ Concealed					Durability			
1/4" Reveal	**6664**_ _ _ _ _	24 x 96 x 5/8"	M1; M10	0.77 (M1)	•	•	•	•
	6665_ _ _ _ _	24 x 120 x 5/8"	M1; M10	0.77 (M1)	•	•	•	•
	6666_ _ _ _ _	48 x 48 x 5/8"	M1; M10	0.77 (M1)	•	•	•	•
	6667_ _ _ _ _	48 x 96 x 5/8"	M1; M10	0.77 (M1)	•	•	•	•
	6668_ _ _ _ _	48 x 120 x 5/8"	M1; M10	0.77 (M1)	•	•	•	•

◆ When specifying or ordering, include the appropriate perforation and color suffix with the item number (e.g., 6664 M 1 M Y).

ACOUSTICAL INFORMATION

Perforation		NRC
M1	Unperforated	0.10
M10	Rg 2513	0.80 / 0.95† •

Maximum NRC and CAC achieved with acoustical infill options. For additional Infill options, refer to Pg. 140.

† With BioAcoustic™ infill item 5479. NRC of 0.90 with fiberglass infill 8200100, NRC 0.80 as sold.

EXAMPLE: **6664 M10 SG**

- 6664: Panel Dimension/Type: 24" x 96"
- M10: Perforation: M10
- SG: Finish: Silver Grey

ACCESSORIES

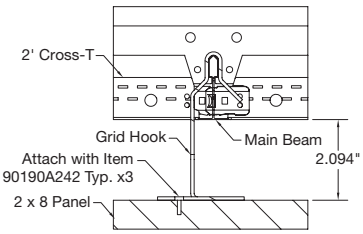
Item No. ◆	Description	Dimensions (Inches)	Color	Pieces/Carton
6656M1_ _	MetalWorks Concealed Trim	6" x 120"	WH, SG, MY	6
7842A_ _	Slip-on Molding	1/2 x 120 x 5/8"	WH, SG, MY	40
FXTBC	T-bar Connector Clip	–	–	10
FX4SPLICE	Splice Plate with Set Screws	–	–	10
8200100	Fiberglass Infill Panel	24 x 24 x 1"	Black (Gloss)	12
5823	BioAcoustic™ Infill Panel	24 x 24 x 5/8"	Black	12
5479	BioAcoustic™ Infill Panel	24 x 24 x 5/8"	Beige	12

SUSPENSION SYSTEM

15/16" Heavy-duty Prelude® XL® Suspension System (See Pgs. 365-366 for components.)

5986	T-Bar Hook†	Nominal 4 x 2 x 3"	50
90190A242	#10 Pan Head Sheet Metal Screw	1/2"	100
6091	Safety Cable	24" x 3/32"	50
SH12	Support Hanger	144" x 2"	12

† For 24" x 96", 48" x 48", and 48" x 96" panels, install 4 hooks per panel; for 24" x 120" and 48" x 120" panels install 6 hooks per panel.
NOTE: Refer to installation instructions at armstrongceilings.com/installation for a better understanding of suspension requirements.



Installation Detail - Concealed Ceiling System

PHYSICAL DATA

Material
Aluminum composite – 0.57" thick

Surface Finish
Factory-applied powder-coated finish (post-coated)

Acoustical Performance
MetalWorks Concealed perforated panels provide outstanding acoustical correction. NRC 0.95 achieved with acoustical infill item 5823. See CS-4172 for more information on infill panels.

Fire Performance
ASTM E84 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed 50 or less.

Installation Considerations
Please refer to installation instructions LA-297890 before installing MetalWorks Concealed panels.

Seismic Restraint
MetalWorks Concealed panels have been engineered, tested, and approved for application in all seismic areas when installed per Armstrong installation instructions.

Warranty
Details at armstrongceilings.com

Weight
0.97 lbs/SF (Bulk packaged)

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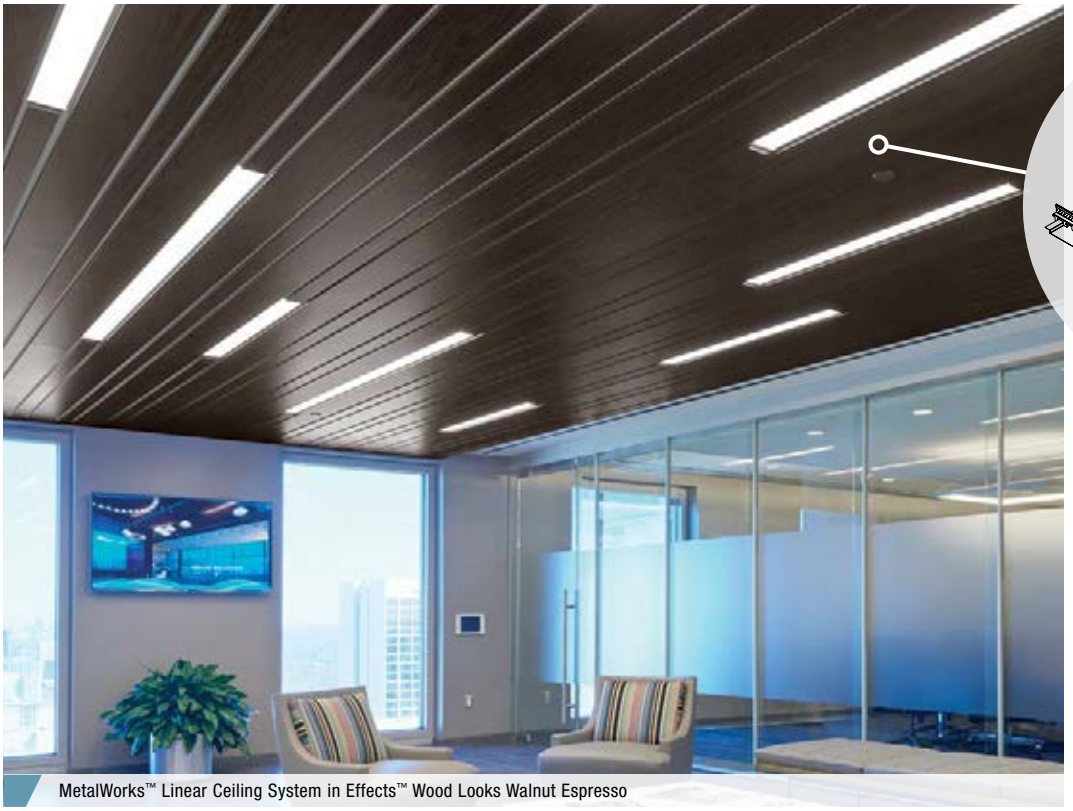
METALWORKS™ Linear
METALWORKS Linear Exterior

smooth texture

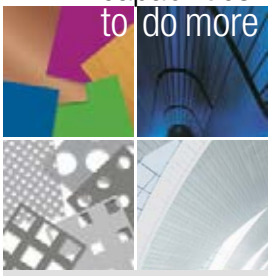


MetalWorks™ Linear Ceiling System in Effects™ Wood Looks Walnut Espresso

CAD/Revit® drawings at:
armstrongceilings.com



plus...
capabilities
to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Durable, metal panels in more widths for a variety of flexible and unique acoustical interior/exterior solutions.

KEY SELECTION ATTRIBUTES

- New universal suspensions system will enable easy installation and a clean finished visual
- Nominal 2", 4", 6", 8", 10", and 12" wide panels, including nominal 1" reveal
- Discontinuous ceilings possible with Effects™ trim or Axiom® trim, using the new Adjustable Trim Clip
- Mix and match widths for a striated visual
- Install in the ceiling, on the wall
- Create 90º angled or curved ceiling-to-wall transitions
- Available for exterior applications, tested to meet wind uplift Classes 30, 60, and 90
- Acoustical options with microperforated panels
- Fast and easy installation

COLORS

Due to printing limitations, shade may vary from actual product.



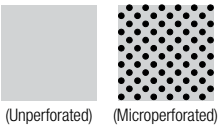
White (WH) | Silver Grey (SG) | Gun Metal Grey (MY) | Effects Maple (FXMP) | Effects Cherry (FXCH) | Effects Dark Cherry (FXDC) | Effects Walnut (FXWN) | Effects Oak (FXOK) | Effects Walnut Espresso (FXWE) | Custom Colors Available

Exterior

White Exterior (WH2) | Silver Grey Exterior (SG2) | Gun Metal Grey Exterior (MY2) | Effects Maple Exterior (FXMP2) | Effects Cherry Exterior (FXCH2) | Effects Dark Cherry Exterior (FXDC2) | Effects Walnut Exterior (FXWN2) | Effects Oak Exterior (FXOK2) | Effects Walnut Espresso Exterior (FXWE2)

PERFORATION OPTIONS

(1:2 scale shown)



(Unperforated) (Microperforated)

METALWORKS™ Linear
METALWORKS Linear Exterior

smooth texture

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems Unperforated (M1)

UP TO 25% RECYCLED CONTENT

For LEED contribution contact TechLine

LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
		✓	✓	✓				✓					✓

▲ LOCATION DEPENDENT

▲ WITH INFILL PANEL

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Item No. ◆	Description	Dimensions Nominal W x L x H (Inches) Custom Sizes Available	Fire Rating	Light Reflect (White Only)	Durability: Wash	Scrub	Impact	Scratch	Soil	Acoustics NRC
METALWORKS™ Linear Planks										
new **8120**_ _ _ _ _	2" Unperforated	96 x 2 x 5/8"	Class A	0.77	•	•	•	•	•	N/A
5490_ _ _ _ _	4" Unperforated	96 x 4 x 5/8"	Class A	0.77	•	•	•	•	•	N/A
7160_ _ _ _ _	6" Unperforated	96 x 6 x 5/8"	Class A	0.77	•	•	•	•	•	N/A
5491_ _ _ _ _	8" Unperforated	96 x 8 x 5/8"	Class A	0.77	•	•	•	•	•	N/A
new **8122**_ _ _ _ _	10" Unperforated	96 x 10 x 5/8"	Class A	0.77	•	•	•	•	•	N/A
5570_ _ _ _ _	12" Unperforated	96 x 12 x 5/8"	Class A	0.77	•	•	•	•	•	N/A
new **8121**_ _ _ _ _	2" Microperforated (with plain border and acoustical fleece)	96 x 2 x 5/8"	Class A	0.61	•	•	•	•	•	N/A
5492_ _ _ _ _	4" Microperforated (with plain border and acoustical fleece)	96 x 4 x 5/8"	Class A	0.61	•	•	•	•	•	0.70 0.85* •
7161_ _ _ _ _	6" Microperforated (with plain border and acoustical fleece)	96 x 6 x 5/8"	Class A	0.61	•	•	•	•	•	0.70 0.85* •
5493_ _ _ _ _	8" Microperforated (with plain border and acoustical fleece)	96 x 8 x 5/8"	Class A	0.61	•	•	•	•	•	0.70 0.85* •
new **8123**_ _ _ _ _	10" Microperforated (with plain border and acoustical fleece)	96 x 10 x 5/8"	Class A	0.61	•	•	•	•	•	0.70 0.85* •
5571_ _ _ _ _	12" Microperforated (with plain border and acoustical fleece)	96 x 12 x 5/8"	Class A	0.61	•	•	•	•	•	0.70 0.85* •

◆ When specifying or ordering, include the appropriate 2-, 3-, 4-, or 5-letter color suffix (e.g., 5490M2 W H, 5490 W H 2, 5490M2 F X C H, 5490 F X C H 2).

* NRC 0.85 with optional fiberglass infill. For acoustical infill panel information, see page 156.

PHYSICAL DATA

Material
Electrogalvanized Steel – thickness 0.028"

Surface Finish
Available in White, Silver Grey, Gun Metal Grey, and Effects™ Wood Looks powder-coated, post-production finishes. Panels are finished on both sides for exterior applications. Custom colors also available. Contact TechLine for custom color matching requests at 1 877 276-7876.

Edge Detail
Square with extended flange. To create contrast visual, flange is covered with 1-1/4" Black Contrast Filler Strip item 5494.

Fire Performance
Tested per ASTM E84 and CAN/ULC S102. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

ASTM E1264 Classification
Fire Class – Class A
Unperforated – Type XX, Pattern G
Perforated – Type XX, Pattern C

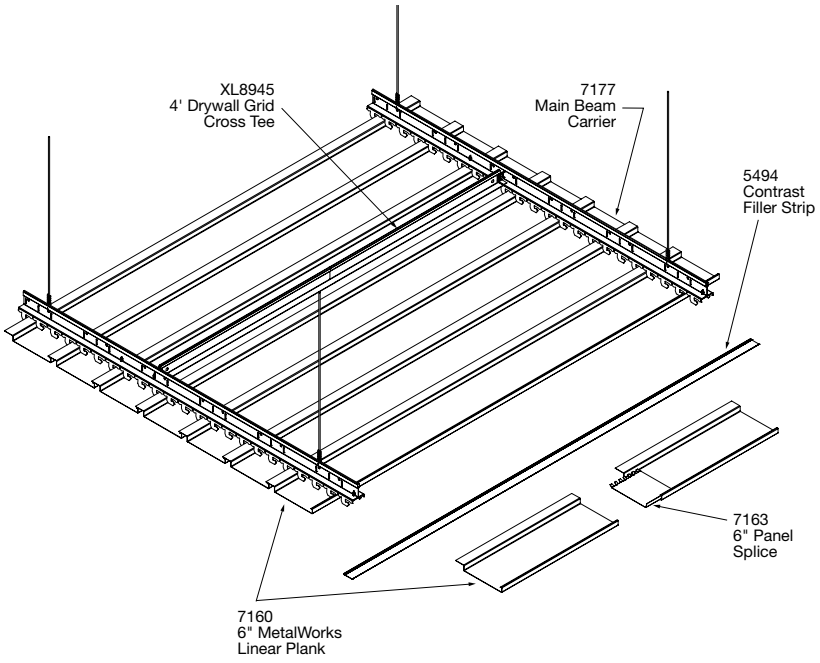
Seismic Restraint
MetalWorks™ Linear panels have been engineered, tested, and approved for application in all seismic areas when installed per Armstrong Ceilings installation instructions.

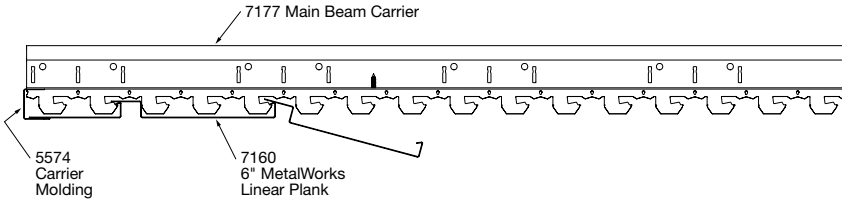
Wind Uplift Performance
All panels tested for wind uplift Classes 30, 60, and 90. Specific installation recommendations to meet these wind classes are available. There is no acoustical fleece on exterior panels. For more information, contact TechLine at 1 877 276 7876.

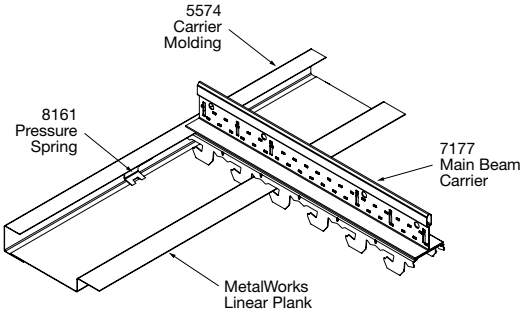
Warranty
Details at armstrongceilings.com

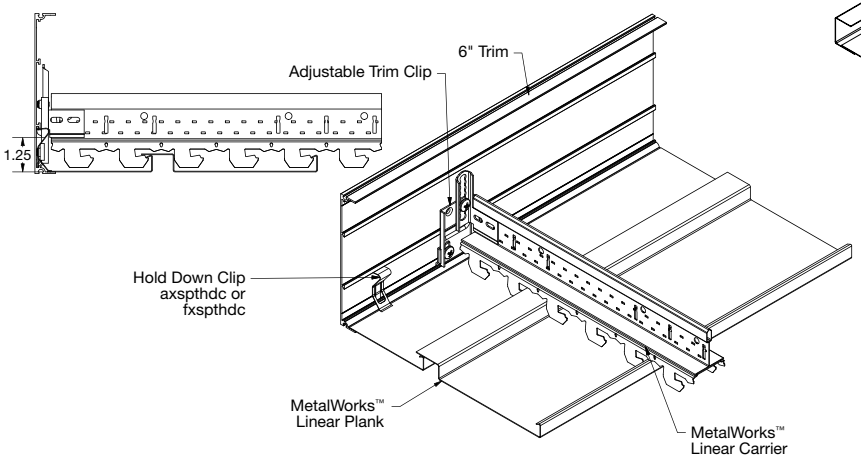
Weight; Square Feet/Carton
8120, 8121 – 1.61 lbs/SF; 24 pcs/ctn or 192 LF/ctn; 32 SF/ctn
5490, 5492 – 1.61 lbs/SF; 16 pcs/ctn or 128 LF/ctn; 43 SF/ctn
5491, 5493 – 1.61 lbs/SF; 10 pcs/ctn or 80 LF/ctn; 53 SF/ctn
5570, 5571 – 1.61 lbs/SF; 6 pcs/ctn or 48 LF/ctn; 48 SF/ctn
8122, 8123 – 1.61 lbs/SF; 8 pcs/ctn or 64 LF/ctn; 53 SF/ctn
7160, 7161 – 1.61 lbs/SF; 12 pcs/ctn or 96 LF/ctn; 48 SF/ctn

Installation Details









Accessories & Suspension System Components

ACCESSORIES

Item Number◆	Description	Dimensions Nominal L x W x H (Inches)	Pieces/ Carton	Colors
8161	Pressure Spring	3/4 x 3/4 x 1-1/8"	50	–
8138_ _ _ _ _	2" End Cap	1 x 2 x 5/8"	50	Interior/Exterior Colors
5581_ _ _ _ _	4" End Cap	1 x 4 x 5/8"	50	Interior/Exterior Colors
7162_ _ _ _ _	6" End Cap	1 x 6 x 5/8"	50	Interior/Exterior Colors
5582_ _ _ _ _	8" End Cap	1 x 7 x 5/8"	50	Interior/Exterior Colors
8139_ _ _ _ _	10" End Cap	1 x 10 x 5/8"	50	Interior/Exterior Colors
5583_ _ _ _ _	12" End Cap	1 x 12 x 5/8"	50	Interior/Exterior Colors
8159	2" Panel Splice	4 x 2 x 1/2"	50	N/A
5495	4" Panel Splice	4 x 3-1/4 x 9/16"	50	N/A
7163	6" Panel Splice	4 x 6 x 1/2"	50	N/A
5496	8" Panel Splice	8 x 7-1/4 x 9/16"	50	N/A
7237	Cut Plank Support Bracket	2-1/2 x 2-1/2 x 1-1/4"	50	N/A
7239	Adjustable Trim Clip	–	50	N/A
5494	Contrast Filler Strip Black	96 x 1/4 x 1/16"	16	N/A

◆ When specifying or ordering, include the appropriate 4- or 5-letter color suffix (e.g., 5574 F X C H, 5574 F X C H 2).

TRIM Required clips must be ordered separately

Item No. ◆	Description	Dimensions Nominal L x W x H (Inches)	Pieces/ Carton	Colors
AX6VESTR_ _	Axiom® Vector Trim – 6" Straight	3/4 x 120 x 6"	–	WH, SG, MY, BL
5346_ _ _ _	6" Effects™ Wood Looks Trim	Nominal 120" length	6	FXMP, FXCH, FXDC, FXWN, FXOK, FXWE

◆ When specifying or ordering, include the appropriate 2- or 4-letter color suffix (e.g., AX6VESTR W H, 5346 F X C H).

SUSPENSION SYSTEM COMPONENTS

Item No.	Description	Dimensions Nominal L x W x H (Inches)	Pieces/ Carton
7177	Main Beam Carrier Assembly	144 x 1-3/4 x 2-3/4"	10
5574_ _ _ _ _	Carrier Molding	120 x 1 x 1"10	10
XL8945P	4' Drywall Cross Tee (for interior installations)	48 x 1-1/2 x 1-1/2"36	36
XL7936G90	3' Drywall Cross Tee (for exterior installations)	36 x 1-1/2 x 1-1/2"	36
XL8926G90	2' Drywall Cross Tee (for exterior installations)	24 x 1-1/2 x 1-1/2"	36

NOTE: Due to the non-standard suspension system of this product, call TechLine at 1 877 276-7876 to place an order.

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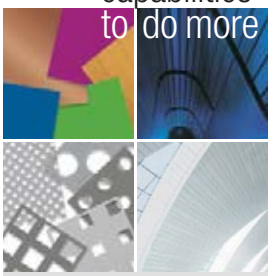
METALWORKS™ Mesh

Lay-in & Tegular



MetalWorks™ Mesh™ Linear Channeled panels in Antique Nickel with Prelude® 360° 15/16" suspension system (Pgs. 391-392)



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Now get MetalWorks™ Mesh™ panels with updated patterns and tegular edges.

KEY SELECTION ATTRIBUTES

- Thirty-two standard designs on 24" x 24" ceiling panels, including 8 new Tegular panels
- 10 standard colors, including new Antique Nickel finish, plus custom colors available
- Variety of standard colors, plus custom colors available
- Flexible design – use as accent borders, clouds, or full ceilings
- Simple installation – panels lay in standard 15/16" suspension system with borders or finished edges
- Can be used in Formations™ Clouds
- Black acoustic panels provide sound absorption and hide plenum

MESH FINISHES – Powder Coated

White (WH)
Silver Grey (SG)
Nickel Chrome (NC)†*
Gun Metal Grey (MY)
Tech Black (BL)
Bronze (BZ)**
Copper (CP)**
Custom Colors Available

Due to printing limitations, shade may vary from actual product.

* Not available on Cascades
** Premium options – may have longer lead times
*** Not available on Tegular Expanded Metal or Cascades

† Not available as a coordinating suspension system color

MESH FINISHES – Anodized for Cascades

Bright Anodized (BA)†
Natural Anodized (NA)†

Cascades also available with Powder Coated Finishes, except Nickel Chrome.

MESH FINISHES – Plated Antique Nickel

Antique Nickel (AN)***

Antique Nickel finish reflects the light with a beautiful true metallic finish. Finish will have shade variation depending on viewing angle. Black grid recommended.

COORDINATING SUSPENSION SYSTEM COLORS

White (MY)
Silver Satin (SA)
Gun Metal Grey (MY)
Black (BL)
Natural Aluminum (WA)
Custom Colors Available

NOTE: Accessories and clips (such as BERC2 clip) can be specified to color match the suspension system.

METALWORKS™ Mesh

Lay-in & Tegular

UP TO 25% RECYCLED CONTENT

For LEED contribution contact TechLine

LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
		✓	✓	✓				✓	✓				
			▲ LOCATION DEPENDENT										▲ WITH INFILL PANEL

WOVEN WIRE (1:6 scale shown)

Square Weave – Square Lay-in



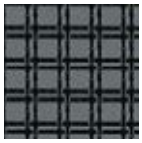
1Cell
Item 6415AM
Spacing: 0.86" x 0.86"
Wire Diameter: 0.11"
% Open Area: 76%



2Cell
Item 6416AM
Spacing: 1.39" x 1.39"
Wire Diameter: 0.135"
% Open Area: 82%



Twin Round Narrow
Item 6129AM
Spacing: 0.25"/0.57"/ 0.25"/0.57"
Wire Diameter: 0.80"
% Open Area: 61%



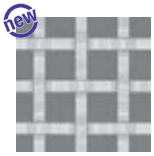
Twin Flat Narrow
Item 6412AM
Spacing: 0.25"/0.75"/ 0.25"/0.75"
Wire Diameter: 0.92"
% Open Area: 53%



Twin Flat Wide
Item 6410AM
Spacing: 0.75"/2.25"/ 0.75"/2.25"
Wire Diameter: 0.375" x 0.60"
% Open Area: 56%



Single Flat Narrow
Item 6411AM
Spacing: 0.25" x 0.25"
Wire Diameter: 0.92"
% Open Area: 21%



Single Flat Wide
Item 8199AM
Wire Dimension: 0.375" x 0.60"
% Open Area: 51%



Quad Round Narrow
Item 8198AM
Wire Diameter: 0.135"
% Open Area: 77%



Over-Under Square
Item 8200AM
Wire Dimension: 0.250" x 0.063"
% Open Area: 34%

Linear Weave – Square Lay-in



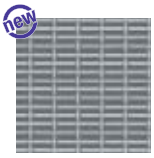
Single Mini
Item 6413AM
Spacing: 0.32" x 0.32"
Wire Diameter: 0.63"
% Open Area: 57%



Single Narrow
Item 6414AM
Spacing: 0.105"
Wire Diameter: 1.105"
% Open Area: 52%



Triple Narrow
Item 6128AM
Spacing: 3.15" x 3.15"
Wire Diameter: 0.12"
% Open Area: 62%



Fine Rectangluar
Item 8203AM
Wire Dimension: 0.80"
% Open Area: 47%

Linear Weave – Tegular



Fine Rectangluar
Item 8195AM
Wire Diameter: 0.80"
% Open Area: 47%

Diamond Weave – Square Lay-in

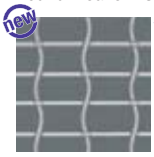


1Diamond
Item 6417AM
Spacing: 0.86" x 0.86"
Wire Diameter: 0.11"
% Open Area: 76%



2Diamond
Item 6418AM
Spacing: 1.33" x 1.33"
Wire Diameter: 0.14"
% Open Area: 82%

Round Weave – Square Lay-in

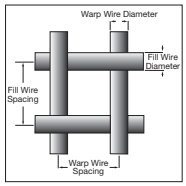


Round Rectangular
Item 8201AM
Wire Diameter: 0.105"
% Open Area: 75%



Twin Circle
Item 8202AM
Wire Diameter: 0.80"
% Open Area: 41%

Wire Key



WELDED WIRE (Actual 1:6 scale shown)

Welded Wire – Square Lay-in



1Cell
Item 6131AM
Spacing: 1.0" x 1.0"
Wire Diameter: 0.120"
% Open Area: 76%



2Cell
Item 6132AM
Spacing: 2.0" x 2.0"
Wire Diameter: 0.120"
% Open Area: 88%



3Cell
Item 6133AM
Spacing: 3.0" x 3.0"
Wire Diameter: 0.120"
% Open Area: 92%

Welded Wire – Tegular



1Cell
Item 8190AM
Wire Diameter: 0.120"/.312"
Tegualr Edge Rod
% Open Area: 78%



2Cell
Item 8191AM
Wire Diameter: 0.120"/.312"
Tegualr Edge Rod
% Open Area: 88%



Linear Channel
Item 8196AM
Wire Diameter: 0.192"
Wire Dimension: 0.044" Channel
% Open Area: 50%



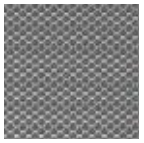
Linear Channel with Center Hole
Item 8197AM
Wire Diameter: 0.192"
Wire Dimension: 0.044" Channel
% Open Area: 60%

EXPANDED METAL (Actual 1:6 scale shown)

Expanded Metal – Square Lay-in



Lattice
Item 6136AM
Spacing: 0.036"
% Open Area: 75%



Scallops
Item 6137AM
Spacing: 0.048"
% Open Area: 61%



Trellis
Item 6138AM
Spacing: 0.060"
% Open Area: 70%



Cascades
Item 6139AM
Spacing: 0.080"
% Open Area: 23%

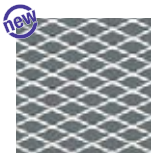
Expanded Metal – Tegular



Lattice
Item 8192AM
Wire Diameter: N/A
% Open Area: 73%

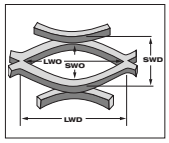


Scallops
Item 8193AM
Wire Diameter: N/A
% Open Area: 61%



Trellis
Item 8194AM
Wire Diameter: N/A
% Open Area: 70%

Expanded Metal Key



SWD – Short Way of Design
LWD – Long Way of Design

For detailed pattern information including spacing wire diameters and open area, refer to the MetalWorks Mesh brochure BPCS-3713

METALWORKS™ Mesh

Lay-in & Tegular

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

ACOUSTICAL INFORMATION

Edge Profile	Item Number ◆ Description	Panel Interior Opening Dimensions W x L x H (Inches)	% Open Area	Fire Rating	Wash	Scrub	Impact	Soil
WOVEN WIRE					Durability			
Square Weave								
Square Lay-in	**6129AM** _ _ Twin Round Narrow	24 x 24 x 1/4"	61%	Class A	•	•	•	•
	6410AM _ _ Twin Flat Wide	24 x 24 x 1/4"	56%	Class A	•	•	•	•
	6411AM _ _ Single Flat Narrow	24 x 24 x 1/4"	21%	Class A	•	•	•	•
	6412AM _ _ Twin Flat Narrow	24 x 24 x 1/4"	53%	Class A	•	•	•	•
	6415AM _ _ 1Cell	24 x 24 x 1/4"	76%	Class A	•	•	•	•
	6416AM _ _ 2Cell	24 x 24 x 1/4"	82%	Class A	•	•	•	•
	8199AM _ _ Single Flat Wide	24 x 24 x 1/4"	51%	Class A	•	•	•	•
	8198AM _ _ Quad Round Narrow	24 x 24 x 1/4"	77%	Class A	•	•	•	•
	8200AM _ _ Over-Under Square	24 x 24 x 1/4"	34%	Class A	•	•	•	•
Linear Weave								
Square Lay-in	**6413AM** _ _ Single Mini	24 x 24 x 1/4"	57%	Class A	•	•	•	•
	6414AM _ _ Single Narrow	24 x 24 x 1/4"	52%	Class A	•	•	•	•
	6128AM _ _ Triple Narrow	24 x 24 x 1/4"	62%	Class A	•	•	•	•
	8203AM _ _ Fine Rectangular	24 x 24 x 1/4"	47%	Class A	•	•	•	•
Linear Weave								
Square Tegular	**8195AM** _ _ Fine Rectangular	24 x 24 x 1/4"	47%	Class A	•	•	•	•
Diamond Weave								
Square Lay-in	**6417AM** _ _ 1Diamond	24 x 24 x 1/4"	76%	Class A	•	•	•	•
	6418AM _ _ 2Diamond	24 x 24 x 1/4"	82%	Class A	•	•	•	•
Round Weave								
Square Lay-in	**8201AM** _ _ Round Rectangular	24 x 24 x 1/4"	75%	Class A	•	•	•	•
	8202AM _ _ Twin Circle	24 x 24 x 1/4"	41%	Class A	•	•	•	•

◆ When specifying or ordering, include the appropriate 2-letter color suffix with the item number (e.g., 6129AM S G).
NOTE: For acoustical infill panel information, see pgs. 156-157.

% Open Area		Infill Panel Item Number	NRC
21% Open Area	Single Flat Narrow	5823	0.85 •
		1713BL	0.70 •
		2820BK	0.85 •
53% Open Area	Twin Flat Narrow	5823	0.85 •
		1713BL	0.70 •
		2820BK	0.85 •
76% Open Area	1Cell	5823	0.85 •
		1713BL	0.75 •
		2820BK	0.85 •

NOTE: Patterns with similar 5 open area will achieve similar acoustic results.

ACOUSTICAL PANEL INSTALLATION



MetalWorks™ Mesh™ ceiling panel with Calla® 2820BK infill panel for high NRC performance

METALWORKS™ Mesh

Lay-in & Tegular

UP TO 25% RECYCLED CONTENT

For LEED contribution contact TechLine

LEED®: energy management; construction waste mgmt ✓; regional materials ✓; design for flexibility ✓; EPD; recyclable/ extended producer resp.; biobased materials; recycled content ✓; sourcing of raw materials ✓; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

▲ WITH INFILL PANEL

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Edge Profile	Item Number ◆ Description	Panel Dimensions W x L x H (Inches)	% Open Area	Fire Rating	Wash	Scrub	Impact	Soil
					Durability			
WELDED WIRE								
Square Lay-in 	**6131AM** _ _ 1Cell	24 x 24 x 1/4"	78%	Class A	•	•	•	•
	6132AM _ _ 2Cell	24 x 24 x 1/4"	88%	Class A	•	•	•	•
	6133AM _ _ 3Cell	24 x 24 x 1/4"	92%	Class A	•	•	•	•
Square Tegular 	**8190AM** _ _ 1Cell	24 x 24 x 1/4"	78%	Class A	•	•	•	•
	8191AM _ _ 2Cell	24 x 24 x 1/4"	88%	Class A	•	•	•	•
	8196AM _ _ Linear Channeled	24 x 24 x 1/4"	50%	Class A	•	•	•	•
	8197AM _ _ Linear Channeled – Center Hole	24 x 24 x 1/4"	60%	Class A	•	•	•	•
EXPANDED METAL								
Square Lay-in 	**6136AM** _ _ Lattice	24 x 24 x 1/4" SWD 0.250", LWD 0.500"	73%	Class A	•	•	•	•
	6137AM _ _ Scallops	24 x 24 x 1/4" SWD 0.295", LWD 0.394"	61%	Class A	•	•	•	•
	6138AM _ _ Trellis	24 x 24 x 1/4" SWD 0.515", LWD 1.200"	70%	Class A	•	•	•	•
	6139AM _ _ Cascades	24 x 24 x 1/4" SWD 0.950", LWD 2.000"	23%	Class A	•	•	•	•
Square Tegular 	**8192AM** _ _ Lattice	24 x 24 x 1/4"	73%	Class A	•	•	•	•
	8193AM _ _ Scallops	24 x 24 x 1/4"	61%	Class A	•	•	•	•
	8194AM _ _ Trellis	24 x 24 x 1/4"	70%	Class A	•	•	•	•

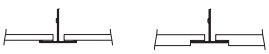
◆ When specifying or ordering, include the appropriate 2-letter color suffix with the item number (e.g., 6129AM S G).
SWD = Short way of design LWD = Long way of design
NOTE: For acoustical infill panel information, see Pgs. 156-157.

ACOUSTICAL INFORMATION

% Open Area		Infill Panel Item Number	NRC
21% Open Area 	Single Flat Narrow	5823	0.85 •
		1713BL	0.70 •
		2820BK	0.85 •
53% Open Area 	Twin Flat Narrow	5823	0.85 •
		1713BL	0.70 •
		2820BK	0.85 •
76% Open Area 	1 Cell	5823	0.85 •
		1713BL	0.75 •
		2820BK	0.85 •

NOTE: Patterns with similar 5 open area will achieve similar acoustic results.

SUSPENSION SYSTEMS

15/16" 

360° Painted Grid or Prelude® XL®

(See Pgs. 391-392 for Prelude® XL® components.)
(See Pg. 383 for 360° Painted Grid components.)

PHYSICAL DATA

Material
All items, except Cascades panels, are cold-rolled steel. Cascades panels are made of aluminum.

Surface Finish
All panels are available in a range of standard and custom smooth, factory-applied powder-coated finishes. Most panels can also be plated for an Antique Nickel finish which will have a variable patina for an authentic aged visual. The anodized finishes (BA, NA) are available on Cascades panels only.

Fire Performance
ASTM E84 and CAN/ULC S102. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

All MetalWorks™ Mesh panels are non-combustible. As with other architectural features located at the ceiling, Mesh panels may obstruct or skew the planned fire sprinkler water distribution pattern, or possibly delay or accelerate the activation of the sprinkler or fire detection systems by channeling the heat from a fire either toward or away from the device.

For panels that do not meet the criteria for open-suspension system ceilings, as defined by NFPA 13, a 24" x 24" mineral fiber panel should be placed on the back of the Mesh panel when installing the ceiling, with the sprinkler installed below both panels.

Designers and installers are advised to consult a fire protection engineer, NFPA 13, and local codes for guidance where automatic fire detection and suppression systems are present.

Acoustics Considerations
NRC-tested using white panels. Painted panels may experience a slight reduction in NRC due to color painting processes.

Design Considerations
For more open MetalWorks Mesh items where the suspension system may be visible through the panels, consider using a 360° Painted Grid System coordinated with the panel color.

Item 8196 should not be field cut. Use item 8197, with 5" center hole, for sprinklers, lighting, and other mechanicals. Additionally, care should always be taken when cutting metal. Please see installation instructions for specific guidance on each type of mesh panel.

Installation Considerations
Hold-Down Clips may be required in some installations, see pgs. 156-157. The edges of MetalWorks™ Mesh panels feature unique detailing. Use caution and wear appropriate hand and eye protection when installing or cutting these metal panels. Refer to Installation Instructions BPLA-297075 at armstrongceilings.com/metalworks for details and cutting recommendations.

Warranty
Details at armstrongceilings.com

Weight/Panel (Bulk Packed)

6128AM – 4.2 lbs	8192AM – 1.9 lbs
6129AM – 6 lbs	8193AM – 2.3 lbs
6131AM – 4 lbs	8194AM – 3.0 lbs
6132AM – 2.3 lbs	8199AM – 6.5 lbs
6133AM – 1.6 lbs	8198AM – 4.8 lbs
6410AM – 4.8 lbs	8200AM – 8.1 lbs
6412AM – 4.8 lbs	8195AM – 7.4 lbs
6136AM – 1.8 lbs	8203AM – 7.0 lbs
6137AM – 2.8 lbs	8201AM – 4.5 lbs
6138AM – 1.7 lbs	8202AM – 7.7 lbs
6139AM – 2.1 lbs	

Minimum Order Quantity
100 Square Feet

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METALWORKS™ Open Cell

Square Lay-in



MetalWorks™ Open Cell 8" Lay-in panels in White

CAD/Revit® drawings at:
armstrongceilings.com



plus...
capabilities
to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Durable Open Cell panels are 100% accessible and offer a clean, modern design option.

KEY SELECTION ATTRIBUTES

- Open look with crisp, white finish
- Variety of design options
- Helps mask the plenum
- Lay-in system is fast and easy to install in a standard suspension system
- Framed 24" x 24" panels create seamless visual; no need for painted grid
- Durable post-production powder-coated finish

COLOR SELECTION

Due to printing limitations, shade may vary from actual product.

White
(WH)



Custom Colors
Available

METALWORKS™ Open Cell

Square Lay-in

UP TO 85% RECYCLED CONTENT

For LEED contribution contact TechLine

LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
		✓	✓	✓	✓			✓	✓				

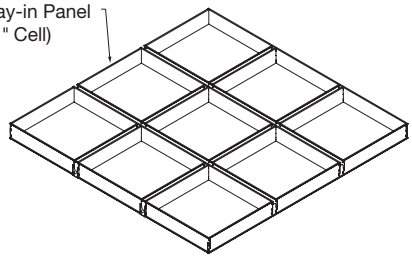
▲ LOCATION DEPENDENT

▲ WITH INFILL PANEL

VISUAL SELECTION

Edge Profile	Item No.	Dimensions (Inches) W x L Custom Sizes Available		Interior Cell Size	% Open	Fire Performance
METALWORKS™ Open Cell Square Lay-in						
9/16" Square Lay-in 	**6188**	24" x 24"		3"	75%	Class A
	6189	24" x 24"		4"	81%	Class A
	6193	24" x 24"		6"	87%	Class A
	6194	24" x 24"		8"	90%	Class A

Lay-in Panel (8" Cell)



Installs in standard 9/16" T-Bar suspension system

PHYSICAL DATA

Material
Aluminum, 0.016" thick

Dimensions
Panel: Nominal 24 x 24 x 1-1/2" blade height x 9/16" blade width (matches 9/16" suspension system)

Interior Cell Sizes
3", 4", 6", and 8"
Custom cell sizes also available upon request as premium options.

Surface Finish
Standard white in a powder-coated, post-production painted finish, as well as Custom colors. Contact TechLine for custom color matching requests.

Accessories
Metal Infill panels (for sprinklers and lighting) available. These fill the 3", 4", 6" and 8" interior cells.

Fire Performance
ASTM E84 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

Fire Performance with Sprinklers
MetalWorks™ Open Cell ceilings may affect the planned fire sprinkler water distribution pattern, or possibly delay or accelerate the activation of the sprinkler or fire detection systems by channeling heat from a fire either toward or away from the device.

Designers and installers are advised to consult a fire protection engineer, NFPA 13, and local codes for guidance where automatic fire detection and suppression systems are present.

Seismic Restraint
MetalWorks Open Cell Lay-in panels have been engineered, tested, and approved for application in all seismic areas when installed per Armstrong installation instructions.

Warranty
Details at armstrongceilings.com

Weight/Carton
Ranges from 7-20 lbs/ctn depending on interior cell size

Square Feet/Carton
40 SF/ctn (panels)

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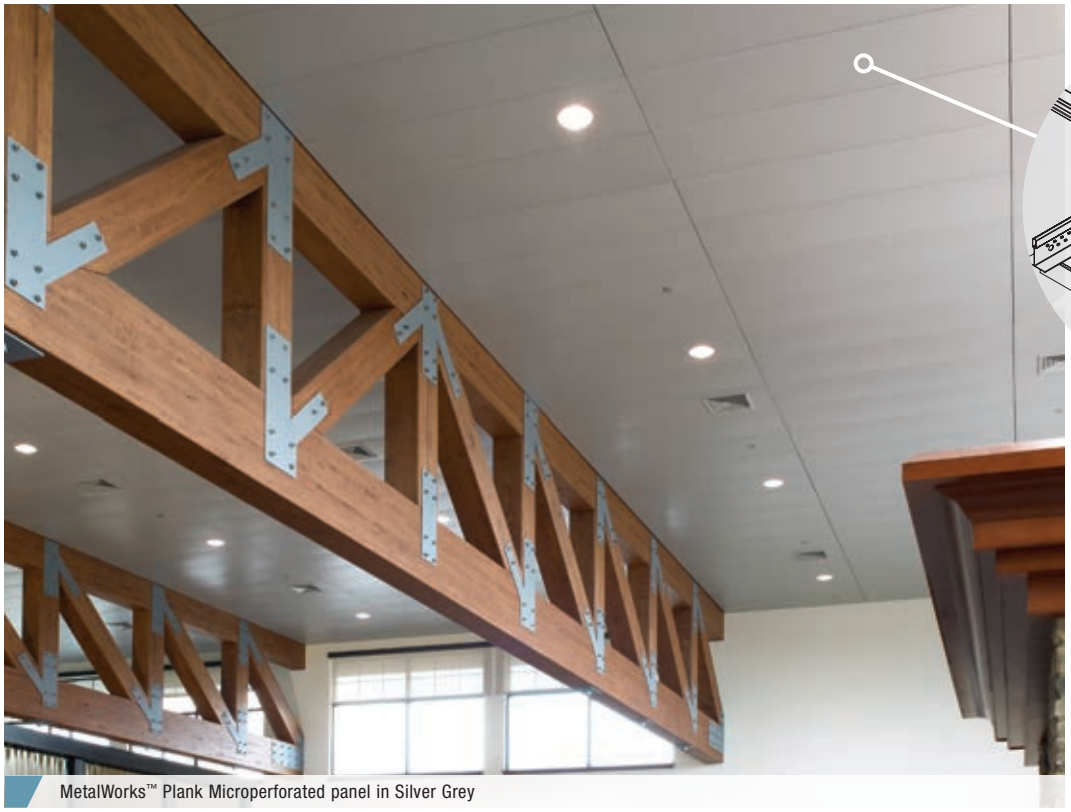
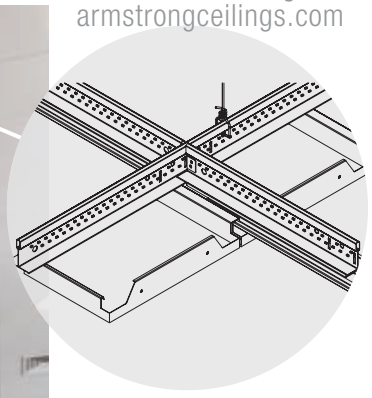
METALWORKS™ Plank

Hook-on
smooth texture

CAD/Revit® drawings at:
armstrongceilings.com



MetalWorks™ Plank Microperforated panel in Silver Grey





See more photos at:
armstrongceilings.com/photogallery
SEARCH: metalworks plank

Durable, steel hook-on planks with 1/8" reveal.

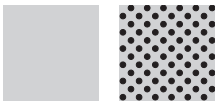
KEY SELECTION ATTRIBUTES

- Upward accessible
- Crisp visual with narrow 1/8" reveal
- Good NRC with acoustical fleece (perforated pattern)
- Economical option with fast delivery
- Durable – Washable, Scrubbable, Impact-resistant, Soil-resistant

COLORS
Due to printing limitations, shade may vary from actual product.

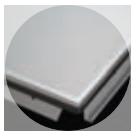
White (WH)
Silver Grey (SG)

PERFORATION OPTIONS
(1:2 scale shown)



M1 (Unperforated)
M2 (Microperforated)

DETAILS



MetalWorks Plank Microperforated

UP TO 25% RECYCLED CONTENT

For LEED contribution contact TechLine

LEED® | energy management | construction waste mgmt | regional materials | design for flexibility | EPD | recyclable/ extended producer resp. | biobased materials | recycled content | sourcing of raw materials | material ingredient reporting | low emitting/ materials | lighting quality | acoustics

LOCATION DEPENDENT

WITH INFILL PANEL

METALWORKS™ Plank

Hook-on
smooth texture

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Edge Profile	Item No. ◆	Dimensions Nominal W x L (Inches)	Perforations	Fire Performance	Light Reflect (White Only)	Wash	Scrub	Impact	Soil (Durability)
METALWORKS™ Plank									
	**5330_ _**	16" x 72"	M1	Class A	0.77	•	•	•	•
	5331_ _	16" x 72"	M2	Class A	0.61	•	•	•	•
	5332_ _	16" x 96"	M1	Class A	0.77	•	•	•	•
	5333_ _	16" x 96"	M2	Class A	0.61	•	•	•	•

◆ When specifying or ordering, include the appropriate color suffix with the item number (e.g., 5330 W H; 5332 S G). Light reflectance is for White only.

ACOUSTICAL INFORMATION

Perforation		NRC	CAC
M1	Unperforated	0.10	36 •
M2	Micro-perforated	0.65	31*

* With optional field-cut #747 mineral fiber backing. For more information on acoustical infill panels, see Pg. 156.

ACCESSORIES

	Item No. ◆	Description	Length	Pieces/Carton
	**5336 _ _**	4-1/2" Plank Trim	10'	5
	5337	Seismic Spring	N/A	100
	M311081	Pressure Spring	N/A	100
	**M330011A**	F Shadow Gap Wall Angle RA5F – WH	10'	10
	M330003A	F Wall Angle RA4F – WH	10'	10
	**M330005A**	F Wall Angle RA4F – SG	10'	10

SUSPENSION SYSTEMS

Item Number	Description	Length	Pieces/Carton
HD8906	12' Heavy-duty Drywall Main Beam	12'	12
5335	4' Hook-on Cross Tee Assembly	4'	10

PHYSICAL DATA

Material
Electrogalvanized steel – thickness 0.028"

Surface Finish
Factory-applied, powder-coated finish (post-coated)

Fire Performance
Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

Design Considerations
If non-standard sizes, colors, or perforations are needed, call 1 877 ARMSTRONG for TechLine, or contact your Armstrong Ceilings representative to review the MetalWorks™ RH200 Custom Plank system. Install with minimum plenum clearance.

Installation Consideration
Cut panels are non-accessible.

Recommended Suspension System
Drywall Heavy-duty main beams with MetalWorks Plank Hook-on cross tees, as listed above.

Seismic Restraint
MetalWorks™ Plank have been engineered, tested, and approved for application in all seismic areas, when installed per Armstrong Ceilings installation instructions.

Warranty
Details at armstrongceilings.com

Weight; Panels/Carton
0.88 lbs/SF; 4 panels/ctn

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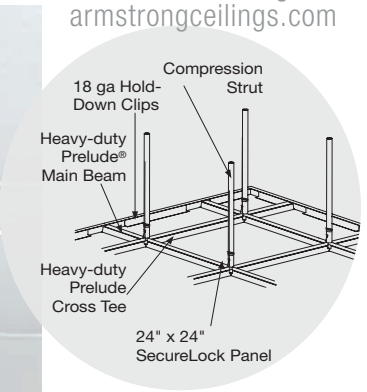
METALWORKS™ SecureLock™ and SecureLock™ Plus

Lay-in & Screw-in
smooth texture

CAD/Revit® drawings at:
armstrongceilings.com



MetalWorks™ SecureLock™ 24" x 24" panel with P4 perforation in White on Prelude® XL® 15/16" suspension system (Pgs. 391-392)





See more photos at:
armstrongceilings.com/photogallery
SEARCH: metalworks securelock

Tamper-resistant ceiling system from 18-gauge galvanized steel panels.

KEY SELECTION ATTRIBUTES

SecureLock™ Lay-in

- Point-load tested to withstand up to 850 lbs, and a minimum of 430 lbs
- Concealed locking
- Installs on a heavy-duty Armstrong® suspension system
- Protection against contraband concealment

SecureLock Plus Screw-in (custom)

- Tamper-proof plank ceiling
- System capable of withstanding 600 impacts with 200 foot-pound of energy
- Screw-in point load plank system tested to withstand 960 – 3,100 lbs of force
- 12-, 14-, and 16-gauge galvanized steel planks for added strength and durability
- Available in 12", 18", and 24" widths and up to 10' lengths
- Protection against contraband concealment
- Stainless steel planks

COLOR SELECTION
Due to printing limitations, shade may vary from actual product.



White (WH) | Silver Grey (SG)* | Gun Metal Grey (MY)*

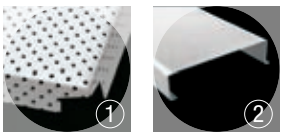
* Premium finish options

PERFORATION OPTIONS
(1:2 scale shown)



P1 (Unperforated) | P4 (SecureLock Perforation) | P5 (SecureLock Plus Perforation)

DETAILS



1. MetalWorks SecureLock Perforated
2. MetalWorks SecureLock Plus Perforated

METALWORKS™ SecureLock™ and SecureLock™ Plus

Lay-in & Screw-in
smooth texture

UP TO 30% RECYCLED CONTENT

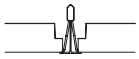
For LEED contribution contact TechLine

LEED®: energy management; construction waste mgmt ✓; regional materials ✓; design for flexibility ✓; EPD; recyclable/ extended producer resp.; biobased materials; recycled content ✓; sourcing of raw materials; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

▲ WITH INFILL PANEL

VISUAL SELECTION

Edge Profile	Item No. ◆	Dimensions (Inches) W x L	Fire Rating	Perforations
METALWORKS™ SecureLock™				
15/16" Lay-in 	**5488_ _WH**	24 x 24"	Class A	P1, P4

PERFORMANCE

Dots represent high level of performance.

Light Reflect (White Only)	Wash	Scrub	Impact	Soil
	Durability			
0.77 (P1) 0.61 (P4)	•	•	•	•

ACOUSTICAL INFORMATION

Perforation		NRC**	CAC*
P1	Unperforated	–	36 •
P4	SecureLock Perforation	0.80 •	38 •

* With optional field-cut item 747 mineral fiber backing (cannot be used in addition to fiberglass infill item 8200100).

** NRC 0.80 (microperforated) with optional fiberglass infill item 8200100.

◆ Add 2-letter perforation suffix to item number when specifying or ordering (e.g., 5488P 1WH).
NOTE: 24" x 48" panels and SecureLock Plus Custom panels are available by contacting TechLine at 1 877 276-7876.

ACCESSORIES

Item No.	Description	Dimensions (Inches)	Pieces/Carton
5396	24" x 24" Hold-Down Border Clips – 18 gauge	22-1/8"	Bulk
5594	Compression Strut	60"	Bulk
5596	Security Screws	–	100
5597	Security Screwdriver (to be used with item 5596)	–	1
5598	Tek Screws	–	100
5650WH	C Channel – 18 gauge	120"	Bulk
5398	Access Door – 18 gauge	24 x 24 x 1"	Bulk
5965P1WH	24" x 24" Exit Panel Unperforated	24 x 24 x 1"	8
5965P4WH	24" x 24" Exit Panel Perforated	24 x 24 x 1"	8
8200100	1" Fiberglass Infill Panel	24 x 24 x 1"	12

SUSPENSION SYSTEMS (See Pgs. 365-366 for components.)

15/16"



Prelude® XL®

PHYSICAL DATA

Material
Electrogalvanized Steel – thickness 18 gauge
SecureLock Plus is available in stainless-steel as a special order.

Surface Finish
Factory-applied powder-coated finish (post-coated)

Fire Performance
Tested per ASTM E84 and CAN/ULC S102. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

Design/Installation Considerations
Panels installed in correctional facilities are recommended for supervised areas. For detailed impact and point load test results, contact TechLine at 1 877 276 7876.

Warranty
Details at armstrongceilings.com

Weight; Square Feet/Carton
5488P1WH – 2.24 lbs/SF; 32 SF/ctn
5488P4WH – 1.97 lbs/SF; 32 SF/ctn

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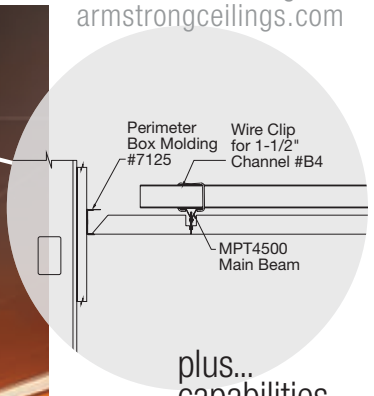
METALWORKS™ Snap-in

Concealed Suspension
smooth texture

CAD/Revit® drawings at:
armstrongceilings.com





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capabilities
to do more



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See more photos at:
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MetalWorks™ Snap-in 20" x 60" panels with M16 perforation in Silverlume with Prelude® 15/16" suspension system (Pgs. 391-392)

This monolithic ceiling with a concealed appearance, offers downward accessibility and excellent acoustical sound-blocking/absorption options.

KEY SELECTION ATTRIBUTES

- Low-cost concealed suspension solution
- MetalWorks Snap-in panels are part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today. Unperforated (M1) panels only.
- Use on a lower clearance plenum (as low as 2") when MPT snap bar is attached directly to the deck
- Downward accessible (with panel removal tool)
- A variety of standard finishes and perforations available to enhance design aesthetics and acoustical performance
- NRC values up to 0.90 with fiberglass infill panels
- Laminate finishes provide superior wood-look visual with printed vinyl bonded to aluminum; visuals other than the ones shown are also available
- Durable – Washable, Scrubbable, Impact-resistant, Soil-resistant
- Not recommended for seismic areas

COLOR SELECTION
Due to printing limitations, shade may vary from actual product.

MetalWorks



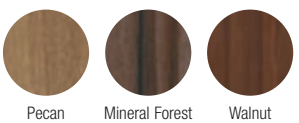
Whitelume (WHA) | Silverlume (SIA) | Gun Metal (MYA) | Satin Anodized (SAA) | Lacquer Mill (LMA) | Brushalume (BAA)

Part of the Sustain™ portfolio, meeting sustainability compliance standards

Reflections™ Laminate Finishes

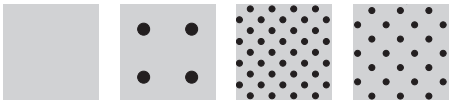


Arctic Maple (LAM) | Natural Maple (LNMPIE) | Rock Maple (LRM) | Light Cherry (LLC) | Natural Oak (LNOIE) | Custom Colors and Finishes Available



Pecan (LPC) | Mineral Forest (LMF) | Walnut (LWN)

PERFORATION OPTIONS
(1:2 scale shown)



M1 (Unperforated) | M14 (Rg 3205) | M15 (Rd 1612) | M16 (Rd 1607)



M17 (Rd 3223) | M18 (Rd 3210) | M19 (Rg 3220)



Custom Perforations Available

Armstrong® CEILING & WALL SOLUTIONS

METALWORKS™ Snap-in

Concealed Suspension
smooth texture

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems Unperforated (M1)

UP TO 90% RECYCLED CONTENT

For LEED contribution contact TechLine

LEED®: energy management; construction waste mgmt; regional materials; design for flexibility; EPD; recyclable/ extended producer resp.; biobased materials; recycled content; sourcing of raw materials; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

▲ LOCATION DEPENDENT ▲ WITH INFILL PANEL

VISUAL SELECTION

Edge Profile	Item No. ◆	Dimensions (Inches) W x L Custom Sizes Available	Perforations
METALWORKS™ Snap-in (with acoustical fleece)			
Snap-in Square 15/16" 	**7216**_ _ _ _ _	12" x 48"	M1; M14-19
	7215_ _ _ _ _	24" x 24"	M1; M14-19
	7217_ _ _ _ _	24" x 48"	M1; M14-19
	7219_ _ _ _ _	30" x 30"	M1; M14-19

◆ When specifying or ordering, include the appropriate perforation and color suffix with the item number (e.g., 7215 M 1 4 L M A).

PERFORMANCE

Dots represent high level of performance.

Light Reflect (White Only)	Wash	Scrub	Impact	Soil
	Durability			
0.77 (M1)	•	•	•	•
0.77 (M1)	•	•	•	•
0.77 (M1)	•	•	•	•
0.77 (M1)	•	•	•	•

ACOUSTICAL INFORMATION

Perforation		NRC with acoustical fleece	NRC with 1" fiberglass infill panel*
M1	Unperforated	–	–
M14	Rg 3205	0.55 •	0.85 •
M15	Rd 1612	0.70 •	0.90 •
M16	Rd 1607	0.70	0.80 •
M17	Rd 3223	0.75 •	0.90 •
M18	Rd 3210	0.65	0.85 •
M19	Rg 3220	0.75 •	0.90 •

* Maximum NRC achieved with acoustical infill (item 8200100 or 5823). For additional infill panel options, refer to catalog Pg. 156.

EXAMPLE: 7215 M14 LMA

- 7215: Panel Dimension: 24" x 24"
- M14: Perforation: M14 Round Straight Rg 3205
- LMA: Finish: Lacquer Mill

ACCESSORIES

Item No. ◆	Description	Dimensions (Inches)	Color	Pieces/Carton
7125_ _ _	Box Molding	2 x 96 x 1-1/2"	WHA, SIA, MYA, SAA, LMA, BAA, BL	10
7126	Spreader Hold Down	1 x 10-5/8 x 1-1/2"	N/A	10
5823	BioAcoustic™ Infill Panel	24 x 24 x 5/8"	Black	12
8200100	1" Fiberglass Infill Bag	24 x 24 x 1"	Black (Gloss)	12
7127	Snap-in Access Tool	N/A	N/A	1

SUSPENSION SYSTEMS

15/16" Prelude® XL® main beams (See catalog Pgs. 365-366 for components.);
1-1/2" Drywall Grid main beams (See catalog Pgs. 404-405 for components.); Cross tee optional but recommended.

Item No.	Description	Dimensions (Inches)	Color	Pieces/Carton
1-1/2" Carrying Channel	Supplied by others	–	–	–
MPT4500	Spring Tee (Snap Bar)	–	N/A	25
B4	Wire Clip 1-1/2" Channel	–	N/A	1,000
7132	Snap Bar Hanger	3-1/4" x 5"	N/A	100
7133	Snap Bar Miser Clip	3-1/4" x 4-7/16"	N/A	100
S45	Splice for Metal Pan Main Beam	12"	N/A	250

PHYSICAL DATA

Material
Aluminum – thickness 0.040"

Surface Finish
Laminates: Vinyl-faced membrane
Painted finishes: Factory-applied polyester paint
Custom colors and finishes available.

Fire Performance
Painted aluminum finishes tested per ASTM E84. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

Laminate finish tested per ASTM E84. Flame Spread Index 75 or less. Smoke Developed Index 450 or less.

ASTM E1264 Classification
Fire Class A – Painted
Fire Class B – Laminates

Acoustical Options
Perforated panels are supplied with a black fiberglass fleece to absorb sound.

Recycled Content
Minimum 25%. Up to 90% recycled content available.

Design Consideration
Anodized and Lacquer Mill finishes may vary in shade between production runs and over time.

Design Support
Project management assistance is available by calling TechLine at 1 877 276-7876.

Seismic Restraint
This product is not recommended for seismic areas. Use MetalWorks Torsion Spring or Vector® panels in seismic conditions.

Warranty
Details at armstrongceilings.com

Weight
0.69 lbs/SF

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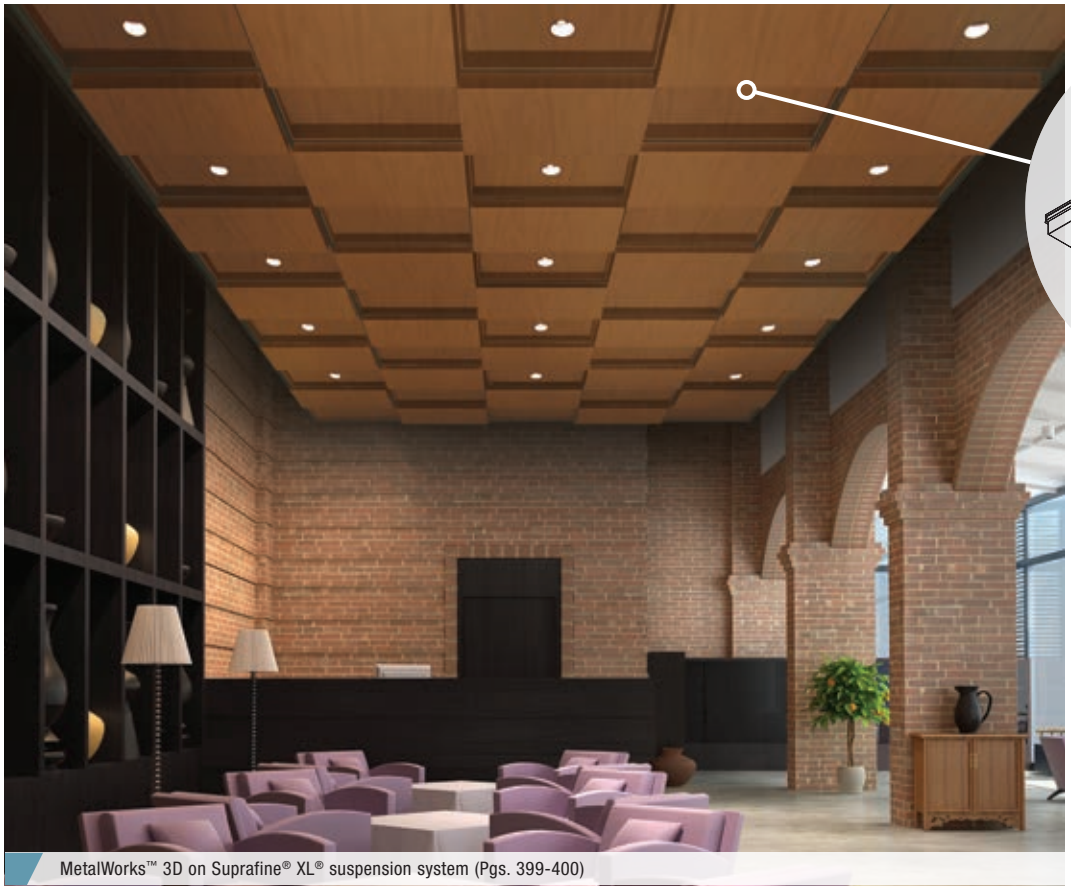
METALWORKS™ 3D

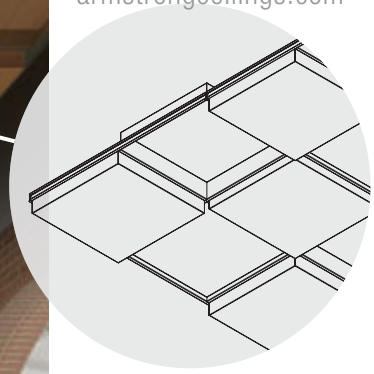
Tegular
smooth texture

TOTAL ACOUSTICS®
Sound Absorption (NRC)
+ Sound Blocking (CAC)

CAD/Revit® drawings at:
armstrongceilings.com



MetalWorks™ 3D on Suprafine® XL® suspension system (Pgs. 399-400)



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See more photos at:
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Now get Total Acoustics® performance with MetalWorks™ 3D perforated panels – excellent noise reduction and sound blocking in one system.

KEY SELECTION ATTRIBUTES

- Get total noise control and design flexibility with Total Acoustics® ceiling panels: NRC + CAC = Total Acoustics® performance
- Define and accentuate spaces with unique 3D look
- MetalWorks 3D panels are part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today. Unperforated (M1) panels only.
- Reflections™ laminate finishes provide wood-look visual
- Standard Tegular and 1", 2", 3", and 4" panel heights
- Easy to install
- Perforation option available for acoustics
- Durable – Washable, Scrubbable, Impact, Soil-resistant

COLOR SELECTION

Due to printing limitations, shade may vary from actual product.

MetalWorks™



Whitelume (WHA) | Silverlume (SIA) | Gun Metal (MYA)

Part of the Sustain™ portfolio, meeting sustainability compliance standards

Reflections™ Laminate Finishes



Arctic Maple (LAM) | Natural Maple (LNMPIE) | Rock Maple (LRM) | Light Cherry (LLC)



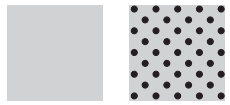
Natural Oak (LNOIE) | Pecan (LPC) | Walnut (LWN)



Custom Colors and Finishes Available

PERFORATION OPTIONS

(1:2 scale shown)



M1 (Unperforated) | M15 (Rd 1612)



Custom Perforations Available

METALWORKS™ 3D

Tegular
smooth texture

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems Unperforated (M1)

UP TO 90% RECYCLED CONTENT

For LEED contribution contact TechLine

LEED®: energy management; construction waste mgmt; regional materials; design for flexibility; EPD; recyclable/ extended producer resp.; biobased materials; recycled content; sourcing of raw materials; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

▲ WITH INFILL PANEL

VISUAL SELECTION

Dots represent high level of performance.

PERFORMANCE

Edge Profile	Item No. ◆	Dimensions Nominal W x L x H (Inches) Custom Sizes Available		Fire Rating**	Light Reflect* (White Only)	Wash	Scrub	Impact	Soil (Durability)
METALWORKS™ 3D Tegular									
9/16" Square Tegular (dimension varies)	**7220**_ _ _ _ _	24 x 24 x 5/16" Down Tegular	☐	Class A / Class B	0.77	•	•	•	•
	7220UP1_ _ _ _ _	24 x 24 x 1" Up Tegular	☐						
	7220DN1_ _ _ _ _	24 x 24 x 1" Down Tegular	☐						
	7220UP2_ _ _ _ _	24 x 24 x 2" Up Tegular	☐	Class A / Class B	0.77	•	•	•	•
	7220DN2_ _ _ _ _	24 x 24 x 2" Down Tegular	☐						
	7220UP3_ _ _ _ _	24 x 24 x 3" Up Tegular	☐						
	7220DN3_ _ _ _ _	24 x 24 x 3" Down Tegular	☐	Class A / Class B	0.77	•	•	•	•
	7220UP4_ _ _ _ _	24 x 24 x 4" Up Tegular	☐						
	7220DN4_ _ _ _ _	24 x 24 x 4" Down Tegular	☐						

◆ When specifying or ordering, include the appropriate perforation and color suffix with the item number (e.g. 7220 M 1 W H A).
* Light reflectance is for unperforated Whitelume.
** Class A fire rating on MetalWorks painted finishes and Class B on Reflections laminate finishes.

ACOUSTICAL INFORMATION

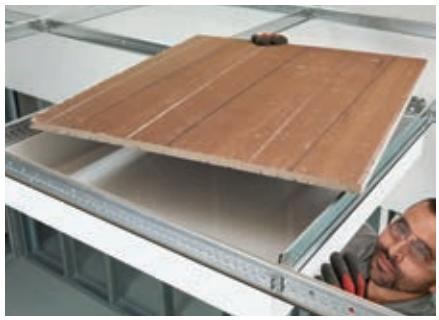
Performance determined by perforation size

Perforation	Infill Panel Item Number	NRC	+	CAC	=	Total Acoustics[1] NRC + CAC
M15 Rd1612	8200100	0.90 •		N/A		–
	5823	0.90 •		N/A		–
	1713	0.70 •		37 •		**BETTER**
	2820	0.80 •		35 •		**BEST**

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+)
BETTER (NRC 0.70-0.75; CAC 35+)
BEST (NRC 0.80+; CAC 35+)

For perforation % open area, refer to Pg. 118.
For infill panel information, refer to Pg. 156.

TOTAL ACOUSTICS® PANEL INSTALLATION



MetalWorks™ 3D ceiling panel with School Zone® Fine Fissured™ 1713 acoustic infill panel for Total Acoustics® performance

ACCESSORIES

Item No.	Description	Dimensions Nominal W x L x H (Inches)	Color	Pieces/ Carton
8200100	1" Fiberglass Infill Panel	24 x 24 x 1"	Black	12
5823	BioAcoustic™ Infill Panel	24 x 24 x 5/8"	Black-Matte	12
1713	School Zone® Fine Fissured™ Square Lay-in Acoustic Panel	24 x 24 x 3/4"	White	14
2820	Calla® Square Lay-in Acoustic Panel	24 x 24 x 1"	White	10

SUSPENSION SYSTEMS

9/16"

Suprafine® XL®

Coordinating suspension systems and Axiom® trim available for painted colors.
Black suspension and Axiom trim are suggested for Reflections™ wood looks finish.
Consult armstrongceilings.com for full suspension and trim selections.

PHYSICAL DATA

Material
Aluminum – thickness 0.040"

Surface Finish
Reflections™ laminate finishes: Vinyl-faced membrane
Painted finishes: Factory-applied polyester paint
Custom colors also available.

Fire Performance
Painted aluminum tested per ASTM E84 and CAN/ULC S102. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. Laminate finishes tested per ASTM E84. Flame Spread Index 75 or less. Smoke Developed Index 450 or less.

ASTM E1264 Classification
Fire Class – Class A (painted)
– Class B (laminate)
Unperforated – Type XX, Pattern G
Perforated – Type XX, Pattern C

Design Consideration
Panels may show a small area of exposed metal edge due to the forming process. Edge paint is available to minimize this effect.

Warranty
Details at armstrongceilings.com

Weight; Square Feet
7220 – 0.55 lbs/SF
7220UP1 – 0.60 lbs/SF
7220DN1 – 0.60 lbs/SF
7220UP2 – 0.70 lbs/SF
7220DN2 – 0.70 lbs/SF
7220UP3 – 0.80 lbs/SF
7220DN3 – 0.80 lbs/SF
7220UP4 – 1.00 lbs/SF
7220DN4 – 1.00 lbs/SF

TechLine / 1 877 276-7876
armstrongceilings.com/metalworks
(search: metalworks 3D)
BPCS-5119-517

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Armstrong® CEILING & WALL SOLUTIONS

METALWORKS™ Tin

Lay-in, Tegular, and Nail-up
smooth texture

TOTAL ACOUSTICS®
Sound Absorption (NRC)
+ Sound Blocking (CAC)



MetalWorks™ Tin 9/16" Lay-in item 56007 extra microperforated in Lacquered Steel with Suprafine® XL® 9/16" suspension system (Pgs. 399-400)

Classic tin ceiling system available in multiple patterns with acoustic options.

KEY SELECTION ATTRIBUTES

- Get total noise control and design flexibility with Total Acoustics® ceiling panels: NRC + CAC = Total Acoustics® performance
- Industry's only:
  - Extra microperforated panels
  - 9/16" Tegular panels reduce visibility of the suspension system
- Variety of standard color and pattern options in 24" x 24" Lay-in and Tegular, or 24" x 48" Nail-up sizes
- 18" x 18" Tin infill panels also available for Metaphors® Coffers
- Wide range of decorative accessories

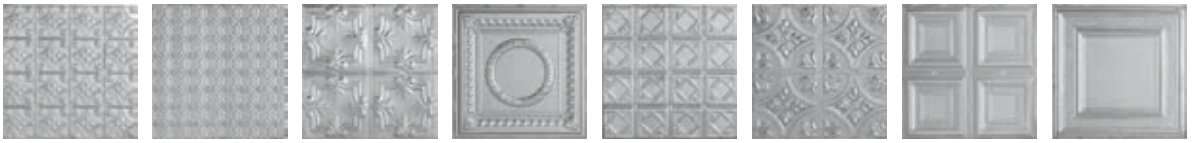
plus... capabilities to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

PATTERNS – STANDARD (Cornice and accessory information on pg. 157)

24" x 24" (Lay-in or Tegular) or 24" x 48" (Nail-up)



Item 56001* | Item 56002* | Item 56003* | Item 56004* | Item 56005 | Item 56006 | Item 56007 | Item 56008

* Only items 56001, 56002, 56003, and 56004 are available with a Tegular edge detail. A variety of other patterns are available as premium options. See armstrongceilings.com/metalworks for more information.

COFFERS – STANDARD

24" x 24" (15/16" Lay-in only)



Item 6661 | Item 6662

FILLERS – STANDARD

24" x 24" (Lay-in only)



Item 56009

FINISHES (Available on standard patterns, coffers, fillers, and cornices.)



White (TWH) | Bare Steel (TNA) | Lacquered Steel (TLS) | Copper (TCP)

NOTE: Coffers items only available unperforated in White, Bare Steel, and Lacquered Steel finishes.

COLOR SELECTION Due to printing limitations, shade may vary from actual product.

Finishes



White (TWH) | Bare Steel (TNA) | Lacquered Steel (TLS) | Copper (TCP) | Custom Finishes Available

Suspension System Finishes



White (WH) | Silver Satin (SA) | Gun Metal Grey (MY) | Bronze (BZ)

EDGE DETAILS



1. 9/16" Lay-in (L9), 15/16" Lay-in (L5), Nail-up (NU - 24" x 48" only)
2. 9/16" Tegular (T9)
3. 15/16" Tegular (T5)

PERFORATION OPTIONS



Unperforated (B1) | Extra Microperforated (B3) Hole size: 0.7mm (.028")

UP TO 25% STEEL 54% ALUMINUM RECYCLED CONTENT

For LEED contribution contact TechLine

LEED®: energy management; construction waste mgmt ✓; regional materials ✓; design for flexibility ✓; EPD; recyclable/extended producer resp. ✓; biobased materials; recycled content ✓; sourcing of raw materials ✓; material ingredient reporting; low emitting/materials; lighting quality; acoustics

METALWORKS™ Tin

Lay-in, Tegular, and Nail-up smooth texture

PATTERNS – STANDARD (Cornice and accessory information on Pg. 157)

Edge Profile	Item No. ◆	Dimensions (Inches)	Fire Rating
METALWORKS™ Tin			
(L9) 9/16" Lay-in	**56001**_____	24" x 24" 24" x 48" (Nail-up)	Class A
(L5) 15/16" Lay-in	**56002**_____	24" x 24" 24" x 48" (Nail-up)	
(T9) 9/16" Tegular	**56003**_____	24" x 24" 24" x 48" (Nail-up)	Class A
(T5) 15/16" Tegular			
(NU) Nail Up†	**56004**_____	24" x 24" 24" x 48" (Nail-up)	
(L9) 9/16" Lay-in	**56005**_____	24" x 24" 24" x 48" (Nail-up)	Class A
(L5) 15/16" Lay-in	**56006**_____	24" x 24" 24" x 48" (Nail-up)	
(NU) Nail Up†	**56007**_____	24" x 24" 24" x 48" (Nail-up)	
	56008_____	24" x 24" 24" x 48" (Nail-up)	Class A
	56009_____	24" x 24" 24" x 48" (Nail-up**)	
Coffers			
15/16" Lay-in	**6661B1L5**___	24" x 24" Coffer	Class A
	6662B1L5___	24" x 24" Coffer	

PERFORMANCE

Dots represent high level of performance.

Item No. ◆	Light Reflect (White Only)	Wash	Scrub	Impact	Soil (Durability)
56001_____	0.77	•	•	•	•
56003_____	0.77	•	•	•	•
56005_____	0.77	•	•	•	•
56008_____	0.77	•	•	•	•
6661B1L5___	0.77	•	•	•	•

◆When specifying or ordering, include the appropriate 2-letter edge detail, 2-letter perforation, and 3-letter color suffix with the item number. For example: 56001B 1 L T 9 N A is item 56001 Unperforated 9/16" Lay-in Bare Steel. For Coffers items, include 3-letter color suffix only (TWH, TNA, TLS).

† Nail-up panel unperforated only

NOTE: Field painting extra microperforated panels will affect acoustical performance.

ACOUSTICAL INFORMATION

LOCATION DEPENDENT

WITH INFILL PANEL

Performance determined by perforation size

Edge Detail		Infill Panel Item Number	NRC	+	CAC	=	Total Acoustics†† NRC+CAC
T5	15/16" Tegular	8200100	0.85 •		N/A		–
		2820	0.60		40 •		GOOD
T9	9/16" Tegular	8200100	0.85 •		N/A		–
		2820	0.60		40 •		GOOD

†† Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+)
BETTER (NRC 0.70-0.75; CAC 35+)
BEST (NRC 0.80+; CAC 35+)

For infill panel information, refer to Pg. 156.

EXAMPLE: **56001 B1 L9 TNA**

Panel Dimension/Type:	Perforation:	Edge Detail:	Finish:
24" x 24"	B1 Unperforated	L9 Lay-in 9/16"	TNA Bare Steel

TOTAL ACOUSTICS® PANEL INSTALLATION



MetalWorks™ 3D Tin ceiling panel with Calla® 2820 acoustical infill panel for Total Acoustics® performance

SUSPENSION SYSTEMS

(See pgs. 391-392 for Prelude® XL® components. See Pgs. 400-401 for Suprafine® XL components.)

15/16" Prelude® XL®

9/16" Suprafine® XL®

ACCESSORIES

For accessories, including cornices, clips and perimeter trim, refer to Pgs. 156-157.

PHYSICAL DATA

Material
Steel – thickness .010" (Copper panels)
Aluminum – thickness .020"

Surface Finish
Copper v–plated
Bare Steel – unfinished
White – factory-applied powder-coated finish
Lacquered Steel – factory-applied lacquered finish

Fire Performance
ASTM E84 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. Fire Class A

ASTM E1264 Classification
Fire Class – Class A
Unperforated steel ceiling panels – Type XX, Pattern J, Z
Perforated steel ceiling panels – Type XX, Pattern C, J, Z

Design Considerations
As a result of the strain put on panels when they are embossed, you may find it necessary to use hold-down clips (item 5600HDC) to keep the panels flat in the suspension system. Due to the natural characteristics of Lay-in and Tegular edges on this tin product, panels may not lay flush.

MetalWorks™ Tin panels are produced from steel or aluminum and are designed to emulate an antique-type visual. Periodic "wrinkles" or dents may cause panels to appear not to be flat; these characteristics add to the antique effect and are not considered manufacturing defects.

Bare Steel is unfinished and must be field-painted to prevent tarnishing over time. The Bare Steel finish may contain slight hairline markings that are visible at eye view, but are covered when painted. For the look of natural steel, the Lacquered Steel finish is recommended. These panels are clear lacquered on both sides and come with plastic PVC to prevent scratching. See armstrongceilings.com/metalworks for more details.

Recommended Suspension System
9/16" Suprafine® XL® suspension system
15/16" Prelude® XL suspension system

Warranty
Details at armstrongceilings.com

Weight
Steel – 0.45 lbs/SF
Coffers – 0.52 lbs/SF
Aluminum – 0.38 lbs/SF

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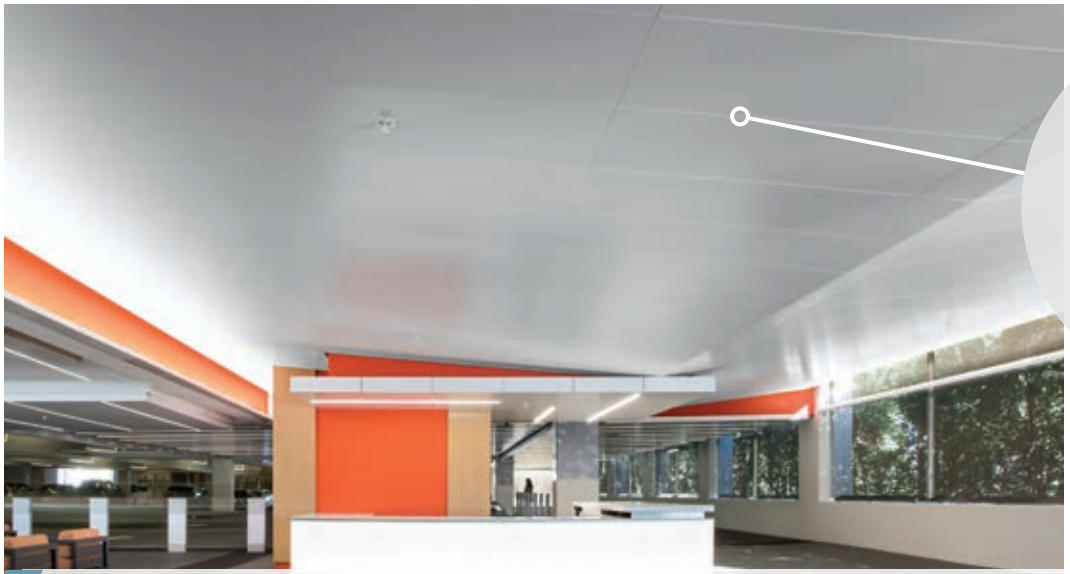
All other trademarks used herein are the property of AWI Licensing LLC and/or its affiliates © 2016-2017 AWI Licensing LLC
Printed in the United States of America

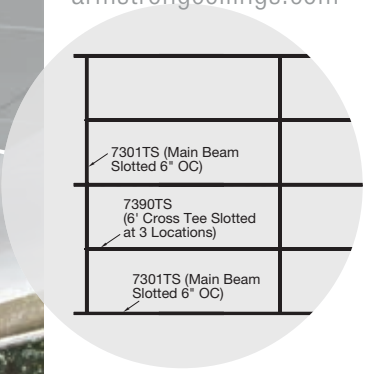
METALWORKS™ Torsion Spring/ Torsion Spring Exterior

smooth texture



MetalWorks™ Torsion Spring panels in varied sizes in Silverlume with Prelude® XL® 15/16" suspension system (Pgs. 391-392)

CAD/Revit® drawings at:
armstrongceilings.com



plus... capabilities to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Large-size concealed panels offer a monolithic visual with 100% downward accessibility.

KEY SELECTION ATTRIBUTES

- Now available with PureWood™ real wood veneers in three standard finishes
- MetalWorks Torsion Spring is part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today
- Choose from a variety of standard panel sizes that install with pre-slotted standard 15/16" suspension system
- 48" x 48" panels are available as a premium option
- Interior panels feature swing-down accessibility
- For exterior applications, choose from two standard panel sizes that install with 15/16" G90 suspension system
- Reflections™ laminate finishes provide superior wood-look visual with printed vinyl bonded to aluminum; visuals other than the ones shown are also available
- NRC values up to 0.90 with fiberglass infill panels (select perforation patterns)

COLOR SELECTION

Due to printing limitations, shade may vary from actual product.

MetalWorks™ – Interior and Exterior



Whitelume (WHA) | Silverlume (SIA) | Gun Metal (MYA)

Part of the Sustain™ portfolio, meeting sustainability compliance standards

MetalWorks – Interior Only



Satin Anodized (SAA) | Lacquer Mill (LMA) | Brushalume (BAA)



Custom Colors Available

Reflections™ Laminate Finishes – Interior and Exterior



Natural Maple (LNMPIE) | Natural Oak (LNOIE)

Reflections Laminate Finishes – Interior Only



Arctic Maple (LAM) | Rock Maple (LRM) | Light Cherry (LLC)



Pecan (LPC) | Mineral Forest (LMF) | Walnut (LWN)

PureWood Veneer Finishes – Interior Only

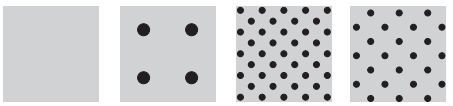


Maple (NMP) | Light Cherry (NLC) | Dark Cherry (NDC)

PERFORATION OPTIONS

(1:2 scale shown)

Painted and Laminate Perforations



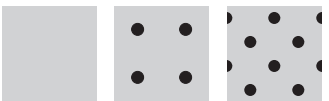
M1 (Unperforated) | M14 (Rg 3205) | M15 (Rd 1612) | M16 (Rd 1607)



M17 (Rv 3223) | M18 (Rd 3210) | M19 (Rg 3220)

PureWood Perforation Options

(1:2 scale shown)



M1 (Unperforated) | M14 (Rg 3205) | M18 (Rd 3210)



Custom Perforations Available

Armstrong® CEILING & WALL SOLUTIONS

METALWORKS™ Torsion Spring/ Torsion Spring Exterior

smooth texture

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems Unperforated (M1)

UP TO 90% RECYCLED CONTENT

For LEED contribution contact TechLine

LEED®: energy management; construction waste mgmt; regional materials; design for flexibility; EPD; recyclable/ extended producer resp.; biobased materials; recycled content; sourcing of raw materials; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

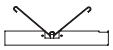
▲ WITH INFILL PANEL

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

ACOUSTICAL INFORMATION

Edge Profile	Item No. ◆	Dimensions (Inches) W x L Custom Sizes Available	Light Reflect *	Springs per Panel
METALWORKS™ Torsion Spring Square with Acoustical Fleece				
Torsion Spring Square 15/16" 	**7209**_ _ _ _ _ _	24 x 24"	0.77	4
	7210_ _ _ _ _ _	24 x 48"	0.77	4
	7211_ _ _ _ _ _	24 x 72"	0.77	6
	7212_ _ _ _ _ _	24 x 96"	0.77	6
	7213_ _ _ _ _ _	30 x 30"	0.77	4
Exterior Panels				
	7225_ _ _ _ _ _	24 x 24"	0.77** 0.61***	4
	7226_ _ _ _ _ _	24 x 48"	0.77** 0.61***	4

Perforation		NRC with acoustical fleece	NRC with 1" fiberglass infill panel ††
		NRC	NRC
M1†	Unperforated	–	–
M14†	Rg 3205	0.55	0.85 •
M15†	Rd 1612	0.70 •	0.90 •
M16†	Rd 1607	0.70 •	0.80 •
M17†	Rv 3223	0.70 •	0.90 •
M18†	Rd 3210	0.65	0.85 •
M19†	Rg 3220	0.75 •	0.90 •

† Available for exterior applications

†† Maximum NRC achieved with acoustical infill (item 8200100 or 5823).

For infill panel information, refer to Pg. 156.

NOTE: 48 x 48" panels are available as a premium option

◆ When specifying or ordering, include the appropriate perforation and color suffix with the item number (e.g., 7209 M 1 4 L M A).

* Light reflectance is for unperforated Whitelume.

** Unperforated Whitelume light reflectance

*** Perforated Whitelume light reflectance

EXAMPLE: 7209 M14 LMA

- 7209: Panel Item
- M14: Perforation: M14 Round Straight Rg 3205
- LMA: Finish: Lacquer Mill

PHYSICAL DATA

Material
Aluminum – thickness 0.040"
Aluminum – thickness 0.060" (item 7226 only)

Surface Finish
Reflections™ laminates: Vinyl-faced membrane
Painted finishes: Factory-applied polyester paint
Custom colors and finishes available.

Fire Performance
If a composite test report is needed, Class A test reports are available for aluminum Torsion Spring painted and metal finishes, along with Class B test reports for both PureWood™ veneer and Reflections laminate finishes.

Fire performance for other finishes will vary depending on the required finish.

Code Considerations
The International Mechanical Code requires that materials used in or forming part of an air plenum, have a flame spread index of 25 or less and a Smoke Developed Index of 50 or less on all surfaces of the material including those surfaces that may be exposed by cutting the material. Exception: The IBC states, "Materials having a thickness less than 0.036 inches (0.9mm) applied directly to the surface of walls or ceilings shall not be required to be tested."

Panels finished with PureWood veneers, Reflections laminates, and paint finishes typically have a thickness less than 0.036 inches (0.9mm). These finishes are applied directly to the Class A aluminum substrate.

Acoustical Options
Perforated panels are supplied with a black fiberglass fleece to absorb sound.

Recycled Content
Minimum 25%. Up to 90% recycled content available.

Design Considerations
Anodized and Lacquer Mill finishes may vary in shade between production runs as well as over time. Sizes can be mixed and matched on non-perforated panels only.

30" x 30" panels have a directional finish that is perpendicular to the main beams; all other panel sizes have a directional finish that is parallel to the main beams.

MetalWorks™ steel and aluminum panels are made at different manufacturing facilities that use different paint systems. Because of this, similar colors, i.e., White and Whitelume, are not exact color matches. Please consider this when designing adjacent spaces with multiple MetalWorks products.

For PureWood finishes, variation among panels may occur due to the natural characteristics of the wood and grain.

Wind Uplift Performance
24" x 24" and 24" x 48" panels noted as exterior on this document tested for wind uplift Classes 30, 60, and 90. Specific installation instructions to meet these classes are available. For more information, visit armstrongceilings.com or contact TechLine customer support at 1 877 276-7876.

Design Support
Project management assistance is available by calling TechLine customer support at 1 877 276-7876.

Seismic Restraint
MetalWorks Torsion Spring panels have been engineered, tested, and approved for application in all seismic areas when installed per Armstrong Ceilings installation instructions.

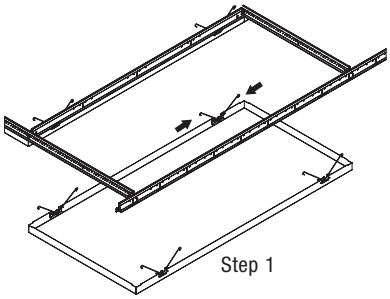
Warranty
One (1) year limited warranty.
Details at armstrongceilings.com

Weight
0.69 lbs/SF
0.86 lbs/SF (item 7226)

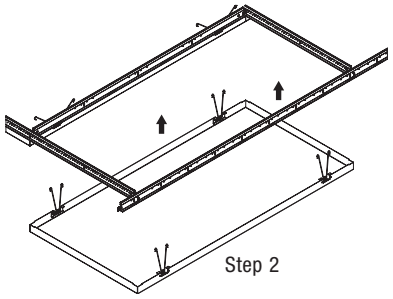
METALWORKS™ Torsion Spring/ Torsion Spring Exterior

Installation Details

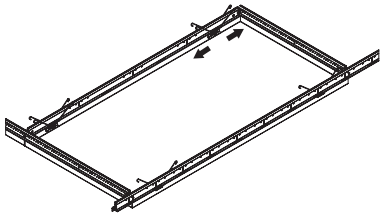
HOW TO INSTALL PANELS



Step 1

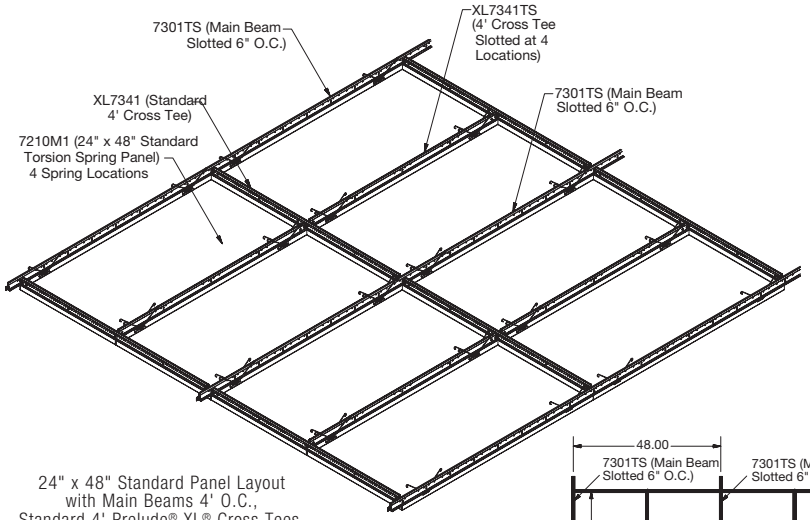


Step 2

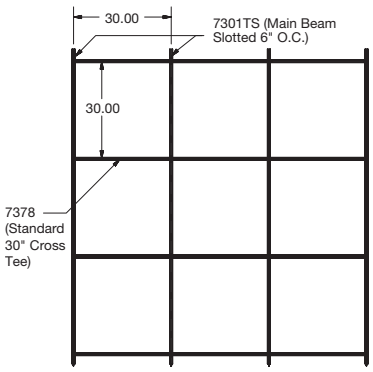


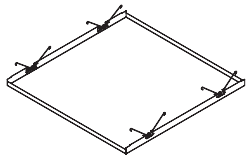
Step 3

INTERIOR INSTALLATION DETAILS

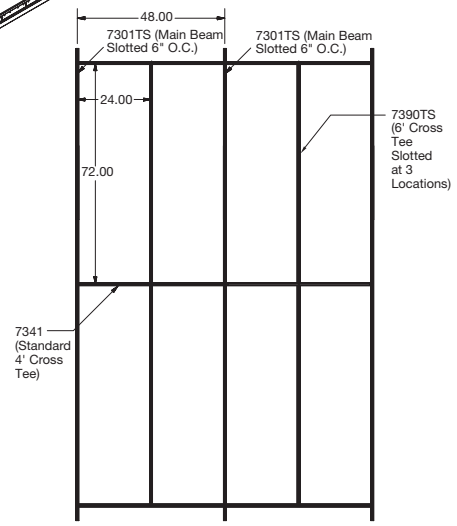


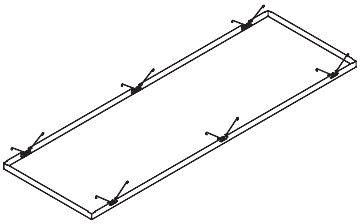
24" x 48" Standard Panel Layout with Main Beams 4' O.C., Standard 4' Prelude® XL® Cross Tees, 4' Slotted Cross Tees



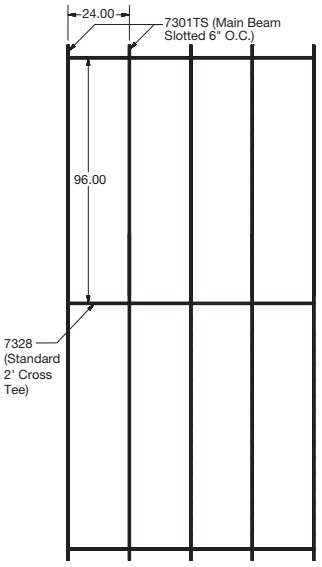


Suspension System Layout for 30" x 30" Panels

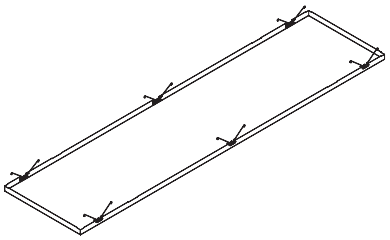




Suspension System Layout for 24" x 72" Panels



2x8 Grid Layout (Scale - 1:25)



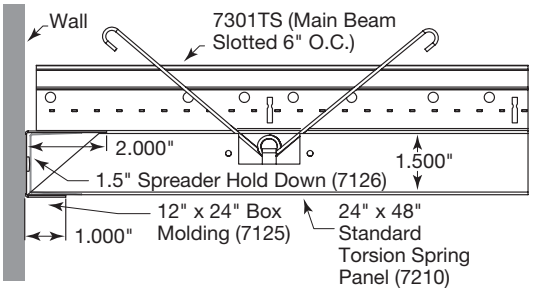
Suspension System Layout for 24" x 96" Panels

METALWORKS™ Torsion Spring/ Torsion Spring Exterior

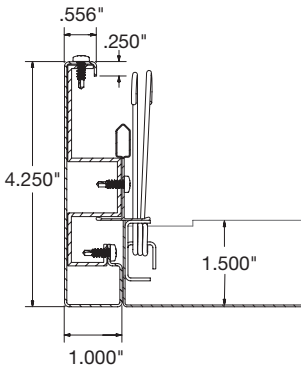
Perimeter Details

INTERIOR WALL PERIMETER DETAILS – For exterior details, consult the MetalWorks Exterior Torsion Spring installation instructions, BPLA-297922, on our web site.

Installation Detail – Wall Perimeter

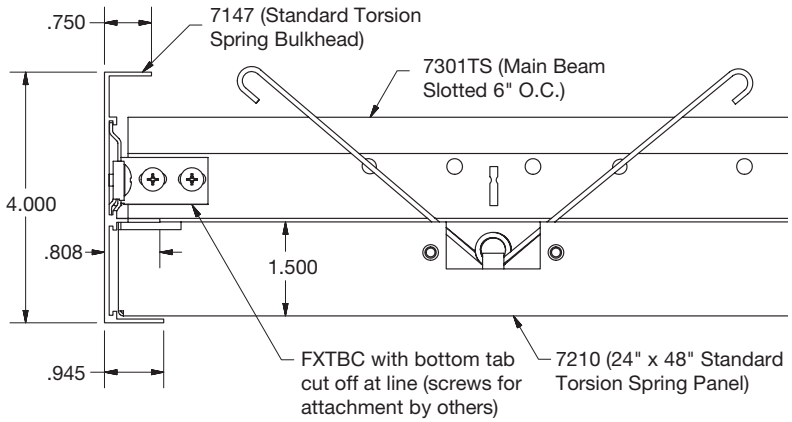


Installation Detail – Perimeter Trim (Formed Trim #7131)

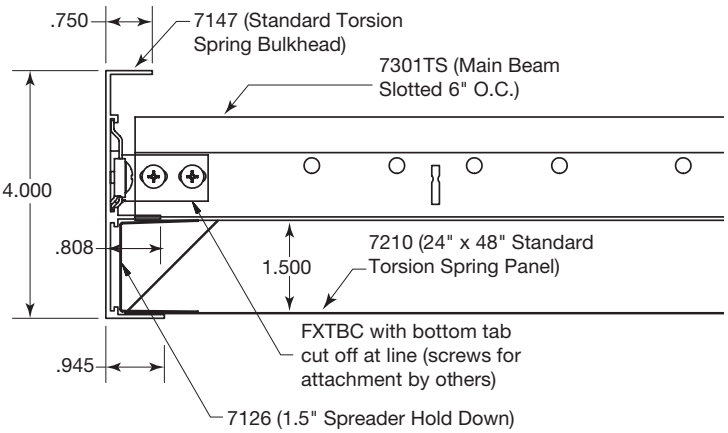


Installation Detail – Perimeter Trim (Extruded Trim #7147)

Full Panels



Cut Panels



METALWORKS™ Torsion Spring/ Torsion Spring Exterior

Accessories & Suspension Systems

ACCESSORIES

Item No. ◆	Description	Dimensions (Inches) Nominal W x L x H	Color	Pieces/ Carton
7125_ _ _	Box Molding (for Laminates and PureWood™, Black is recommended)	2 x 96 x 1.5"	WHA, SIA, MYA, SAA, LMA, BAA, BL	10
7147_ _ _	Torsion Spring Perimeter Trim (Extruded) (for Laminates and PureWood, Black is recommended)	1 x 120 x 4"	WH, SG, MY, BL	6
7131_ _ _	Torsion Spring Perimeter Trim (Formed)	1 x 96 x 4.25"	LMA, BAA, SAA	6
7126	Spreader Hold Down	1 x 10-5/8 x 1-1/2"	N/A	10
5823	BioAcoustic™ Infill Panel	24 x 24 x 5/8"	Black	12
8200100	1" Fiberglass Infill Bag	24 x 24 x 1"	Black (Gloss)	12
7129	Torsion Spring Hook Access Tool	N/A	N/A	1
7130	Torsion Spring Suction Access Tool	N/A	N/A	1

◆ When specifying or ordering, include the appropriate color code with the item number (e.g. 7131 K M A)

SUSPENSION SYSTEMS

Item No.	Description	Dimensions (Inches)
15/16" Prelude® XL® Suspension System – Some items slotted for Torsion Spring. See below.		
7301TS	Prelude XL 12' HD Main Beam – slotted for Torsion Spring	144 x 15/16 x 1-11/16"
XL7341TS	Prelude XL 4' Cross Tee – slotted for Torsion Spring	48 x 15/16 x 1-11/16"
XL7390TS	Prelude XL 6' Cross Tee – slotted for Torsion Spring	72 x 15/16 x 1-11/16"
XL7378	Prelude XL 30" Cross Tee	30 x 15/16 x 1-11/16"
XL8320	Prelude XL 2' Cross Tee	24 x 15/16 x 1-11/16"
XL7341	Prelude XL 4' Cross Tee	48 x 15/16 x 1-11/16"
Exterior Suspension System		
15/16" Prelude XL – Some items slotted for Torsion Spring. See below.		
7301G90ATS	Prelude XL 12' HD Exterior Main Beam – slotted for Torsion Spring	144 x 15/16 x 1-11/16"
XL7341G90ATS	Prelude XL 4' Exterior Cross Tee – slotted for Torsion Spring	48 x 15/16 x 1-11/16"
XL7321G90A	Prelude XL 2' Exterior Cross Tee	24 x 15/16 x 1-11/16"

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METALWORKS™ Family
Trim and Accessories

TRIM Required clips must be ordered separately

Item No. ◆	Description	Dimensions (Inches) Nominal W x L x H	Colors	Pieces/ Carton
AX2VESTR_ _	Axiom® Vector Trim – 2" Straight	3/4 x 120 x 2"	WH, SG, MY, BL	–
AX4VESTR_ _	Axiom Vector Trim – 4" Straight	3/4 x 120 x 4"	WH, SG, MY, BL	–
AX6VESTR_ _	Axiom Vector Trim – 6" Straight	3/4 x 120 x 6"	WH, SG, MY, BL	–
5342 _ _ _ _	2" Effects™ Wood Looks Trim	Nominal 120" length	FXMP, FXCH, FXDC, FXWN, FXOK, FXWE	6
5344 _ _ _ _	4" Effects Wood Looks Trim	Nominal 120" length	FXMP, FXCH, FXDC, FXWN, FXOK, FXWE	6
5346 _ _ _ _	6" Effects Wood Looks Trim	Nominal 120" length	FXMP, FXCH, FXDC, FXWN, FXOK, FXWE	6
7125_ _ _	Box Molding (for Laminates, Black is recommended)	2 x 96 x 1-1/2"	WHA, SIA, MYA, SAA, LMA, BAA, BL	6
7126	Box Molding Spreader Hold Down	1 x 10-5/8 x 1-1/2"	–	10
7147_ _ _	Torsion Spring Perimeter Trim (Extruded)	1 x 120 x 4"	WH, SG, MY, BL	6
7131_ _ _	Torsion Spring Perimeter Trim (Formed)	1 x 96 x 4-1/4"	LMA, BAA, SAA	6

◆ When specifying or ordering, include the appropriate 2-, 3-, or 4-letter color suffix with the item number (e.g., AXZVESTR W H, 7125 W H A, or 5342 F X C H).

For information on additional Axiom Perimeter Trim options and accessories see Pgs. 415-426 .

NOTE: Effects Wood Looks Trim cartons include FXSPLICE plates and FXTBC clips.

Item No.	Description	Pieces/ Carton
7800 _ _	144" Hemmed Angle Molding	30
7835 _ _	120" Hemmed Channel Molding	20
7835SC	Spreader Bar for Channel Molding	150
7870	Spring Border Clip	1000

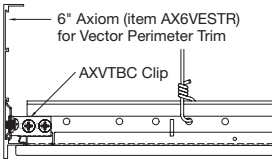
TRIM COLORS (Custom colors and veneers available.)

White (WH)
Silver Grey (SG)
Gun Metal Grey (MY)
Black (BL)

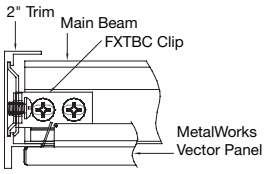
Effects Maple (FXMP)
Effects Cherry (FXCH)
Effects Dark Cherry (FXDC)
Effects Walnut (FXWN)
Effects Oak (FXOK)
Effects Walnut Espresso (FXWE)

Satin Anodized (SAA)
Lacquer Mill (LMA)
Brushalume (BAA)
Whitelume (WHA)
Silverlume (SIA)
Gun Metal (MYA)

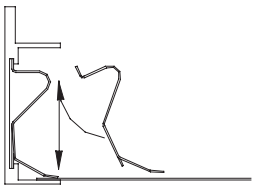
DETAIL



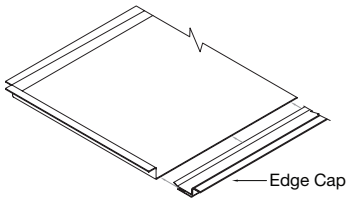
Axiom® Vector® Trim



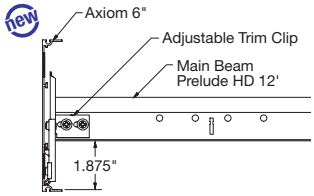
Effects Trim

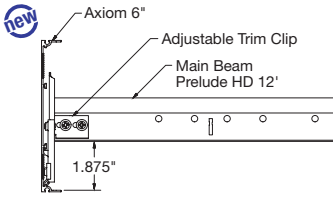


Effects Hold-Down Clip (Item FXSPTHDC) for use with cut MetalWorks™ Tegular and Vector® Panels



Edge Cap Application for cut MetalWorks Tegular and Vector® Panels





Specify Axiom® or Effects™ trim to be used with panels or planks that drop greater than 3/8" below the grid flange, such as Linear, Torsion Spring, or Clip-On.

INFILL PANELS

Item No.	Description	Dimensions (Inches)	NRC	CAC	Colors	Pieces/ Carton
5479	BioAcoustic™ Infill Panel	24 x 24 x 5/8"	0.75	N/A	Beige	12
5823	BioAcoustic Infill Panel	24 x 24 x 5/8"	0.75	N/A	Black (Matte)	12
8200100	1" Fiberglass Infill Bag	24 x 24 x 1"	0.75	N/A	Black (Gloss)	12
2820BL	Calla® Square Lay-in Panel Black	24 x 24 x 1"	0.85	35	Black	10
1728BL	Fine Fissured™ Square Lay-in Panel	24 x 24 x 5/8"	0.55	33	Black	16
1713	School Zone Fine Fissured Square Lay-in Panel	24 x 24 x 5/8"	0.70	35	White	12
1714	School Zone® Fine Fissured™ Square Lay-in Panel	24 x 48 x 5/8"	0.70	40	White	8
2820	Calla® Square Lay-in Panel	24 x 24 x 1"	0.85	35	White	10

DETAILS



1. BioAcoustic Infill Panel – Beige
2. BioAcoustic Infill Panel – Black
3. 1" Fiberglass Infill Panel (in poly bag)
4. Fine Fissured Square Lay-in Panel
5. Cortega® Square Lay-in Panel

METALWORKS™ Family
Trim and Accessories

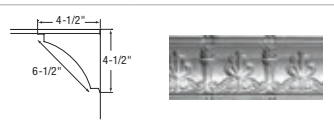
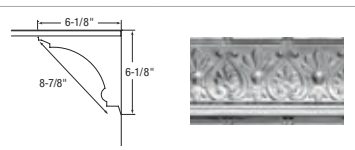
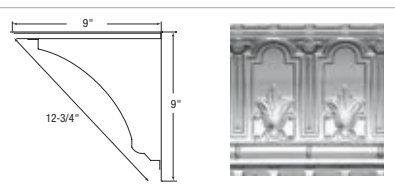
ACCESSORIES

Item No. ◆	Description	Dimensions (Inches)	Colors	Pieces/ Carton
Panel Accessories				
6096 _ _	15/16" Edge Cap for Cut 5/16" Tegular Panels*	Nominal 24"	WH, SG, MY, BL	50
6099 _ _	9/16" Edge Cap for Cut 5/16" Tegular Panels*	Nominal 24"	WH, SG, MY, BL	50
6098 _ _	Vector® Edge Cap for Cut Panels	Nominal 24"	WH, SG, MY, BL	50
84008 _ _	Vector Single-Slot Air Diffuser	24" x 24"	WH, SG, MY, BL	1
Trim Accessories				
FXSPLICE	2" Splice Plate w/ Setscrews	–	N/A	10
FXS4PLICE	4" Splice Plate w/ Setscrews	–	N/A	10

◆ When specifying or ordering, include the appropriate 2-letter color suffix with the item number (e.g., 6096 M Y).
* Edge caps in White, Silver Grey, Gun Metal Grey, and Black (for Effects finishes only).

Item No.	Description	Dimensions (Inches)	Colors	Pieces/ Carton
Trim Accessories (continued)				
FXSPTHDC	Effects™ Hold-Down Clip for Cut Panel Installations	–	–	10
FHDC	Faceted Hold-Down Clip	–	–	10
UHDC	Universal Hold-Down Clip	–	–	1,000
FZUHDC	FastShip Universal Hold-Down Clip	–	–	50
CHDC	Clear Hold-Down Clip	–	–	50
FXTBC	Effects™ T-Bar Connector Clip	–	N/A	10
FXVTBC	Effects™ Vector T-Bar Connector Clip	–	–	10
new **7239**	Adjustable Trim Clip	–	–	50

CORNICES – STANDARD FOR USE WITH METALWORKS™ TIN (Nail-up panels only)

Item No. ◆	Description	Dimensions (Inches)	Color	Pieces/Carton	
56051_ _ _	Corner Molding	1-1/2 x 1-1/2 x 48"	See below	–	
56053_ _ _	Corner Molding	1-7/8 x 1-7/8 x 48"	See below	–	
56052_ _ _	Corner Molding	3 x 3 x 48"	See below	–	
56054_ _ _	Corner Molding	4-1/2 x 4-1/2 x 48"	See below	–	
56055_ _ _	Corner Molding	6-1/8 x 6-1/8 x 48"	See below	–	
56056_ _ _	Corner Molding	9 x 9 x 48"	See below	–	
5600_ _ _	Conehead Nails (installs up to 200 SF per carton)	1-1/4"	See below	–	
5600HDC	Tin Hold Down Clips	–	–	200	

◆ When specifying or ordering, include the appropriate 3-letter color suffix with the item number (e.g., 56051T A M)

CORNICES COLORS

White (TWH)
Bare Steel (TNA)
Lacquered Steel (TLS)
Copper (TCP)

ACCESSORIES COLORS

White (WH)
Silver Grey (SG)
Gun Metal Grey (MY)
Black (BL)

TechLine / 1 877 276-7876
armstrongceilings.com/metalworks
BPCS-5621-517

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Armstrong® CEILING & WALL SOLUTIONS



CASE STUDY

PROJECT: Armstrong Student Center at Miami University

LOCATION: Oxford, OH

ARCHITECT: BHDP Architecture Columbus, OH

PRODUCT: MetalWorks™ RH215 Faceted Ceiling Systems

THE CHALLENGE:

The Armstrong Student Center at Miami University of Ohio is designed to provide the 16,000 students with a home of their own on campus. One of the signature spaces is The Commons, a dining and gathering place with tiered seating for more than 450 students.

When designing the space, the design team wanted a ceiling that would create visual interest and control acoustics in this large, open space – to be a place where people wanted to be.

THE SOLUTION:

The design team addressed all the spaces criteria with unique designs from Armstrong® MetalWorks™ RH215 Faceted Custom Ceiling Systems.

The design team chose a wave-shaped ribbon design with wave-shaped ribbons created by suspending rows of 12" x 56" white metal ceiling panels on a curved suspension system. Each wave is enclosed by field-cut pieces of white metal trim.

Perforated and backed with acoustical fleece, this custom ceiling system has an NRC (Noise Reduction Coefficient) of 0.65. Absorbing 65 percent of the sound that strikes the ceiling provides the necessary acoustical control needed.

CUSTOM METALWORKS™

HELPING YOU CREATE THE UNEXPECTED

FREE design service
Pre-construction assistance
Installation recommendations
Collaborative design
Specifications
Budgeting and planning

1 800 988 2685

armstrongceilings.com

you inspire™
solutions center

helping to bring your one-of-a-kind ideas to life

CUSTOM CEILING SYSTEMS

METALWORKS™ DH700 – Flat & Faceted

smooth texture

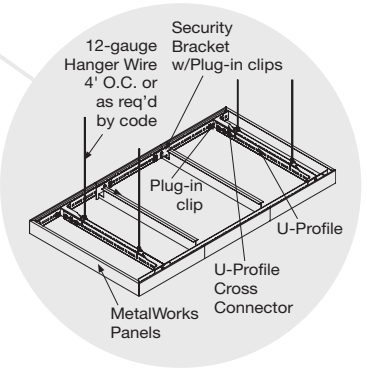
you inspire™
solutions center
helping to bring your one-of-a-kind ideas to life



MetalWorks™ RH700 Custom Ceiling System Faceted Microperforated in custom colors

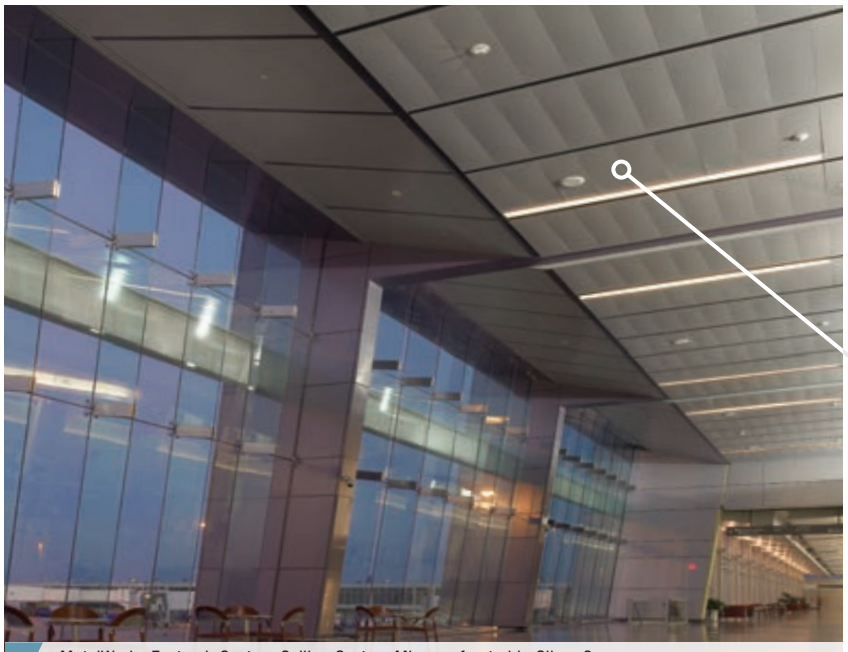
KEY SELECTION ATTRIBUTES

- Concealed suspension ideal for cloud applications
- Accessible system utilizes U-profile and hook-on panels
- Panel length or width up to 120" dimension
- Wide variety of perforations and colors
- Curved suspension system available



METALWORKS™ Fastrack

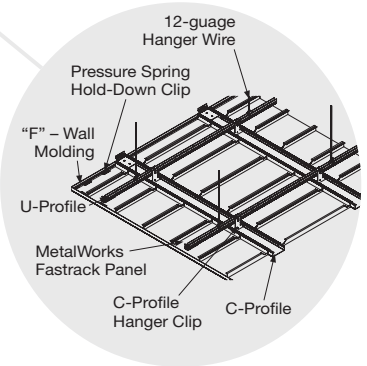
smooth texture



MetalWorks Fastrack Custom Ceiling System Microperforated in Silver Grey

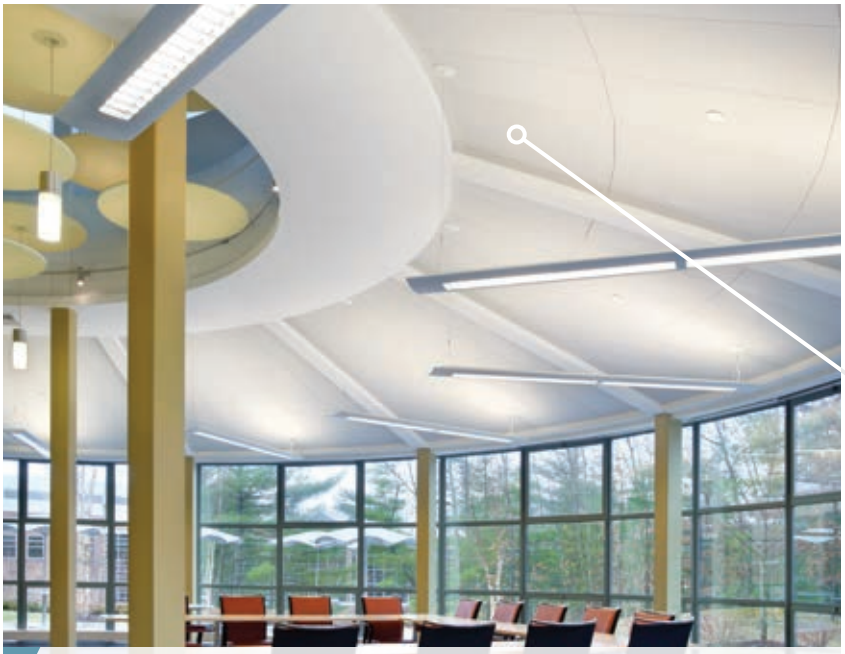
KEY SELECTION ATTRIBUTES

- Fast and easy-to-install exposed linear suspension system
- Modular system for easy lighting design and flexibility
- Fully accessible panels, minimal suspension system obstructions
- Swing-down panel options available
- C-profile widths from 4" up to 12"
- Color and surface is identical on visible suspension and infills
- Seismic approved



METALWORKS™ Radial

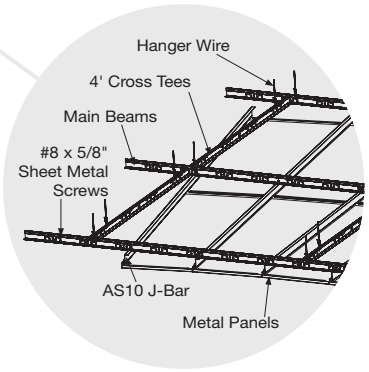
smooth texture



MetalWorks™ Radial RH200 Custom Ceiling System with Rd 1522 perforation in Silver Grey

KEY SELECTION ATTRIBUTES

- Trapezoidal panels create radial effect
- System typically utilizes the RH200 J-Bar and RH215 suspension systems
- 100% downward accessible
- NRC 0.65 – 0.90 available for perforated panels
- Seismic approved
- Radial systems also available in custom WoodWorks® (page 203) and custom Optima® fiberglass panels (pages 297-298)



METALWORKS™ RH200 – Interior & Exterior

smooth texture



MetalWorks RH200 Custom Ceilings and Custom Metal Walls, unperforated and with RV 2532 perforation in Custom RAL® 9010

KEY SELECTION ATTRIBUTES

- 100% downward accessible without tools
- Available in steel and aluminum
- 3mm reveal joint detail with a variety of perimeter options
- Curved metal panels can be convex or concave (interior only)
- Factory cutouts available
- Seismic approved



MetalWorks RH200 Custom Curved Ceiling System extra microperforated in White (interior use only)

RAL® is a registered trademark of RAL gMbH

CUSTOM CEILING SYSTEMS

METALWORKS™ RH215 – Flat & Faceted

smooth texture

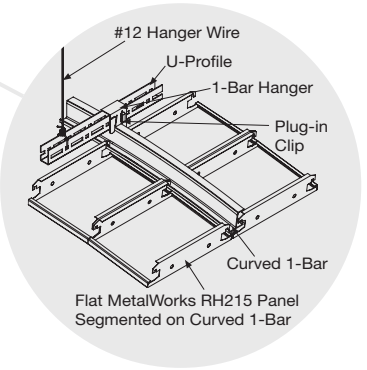
you inspire™
solutions center
helping to bring your one-of-a-kind ideas to life



MetalWorks™ RH215 Custom Ceiling System with Rd 1522 perforation in Custom RAL® 7024 finish

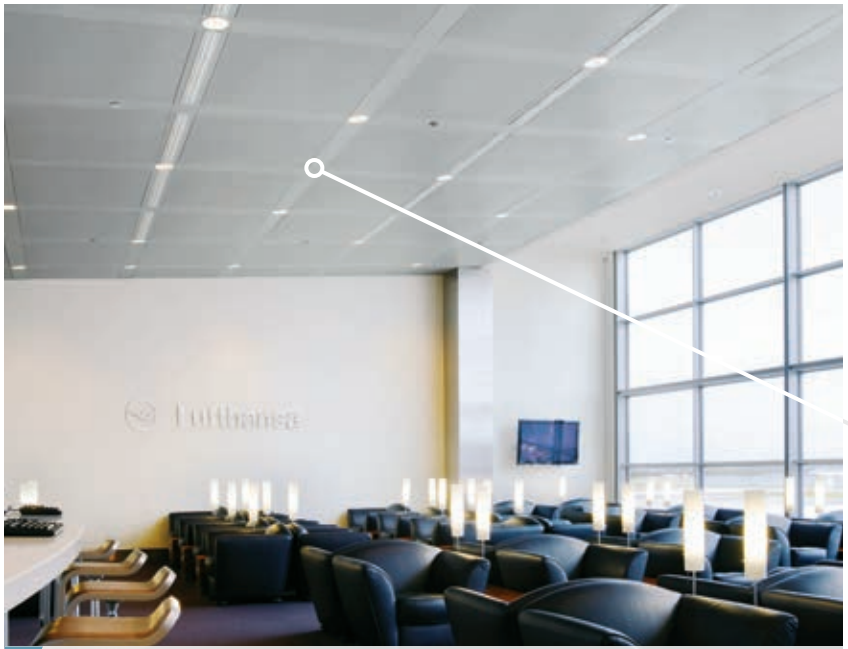
KEY SELECTION ATTRIBUTES

- Cost-effective solution for a curved look with flat panels faceted on a curved suspension system
- Utilizes a curved 1-Bar suspension system with rectangular hook-on (RH) panels
- Downward accessible without tools
- Typical panel dimensions range from 9" – 24" wide and up to 96" long
- Seismic approved



METALWORKS™ Tartan

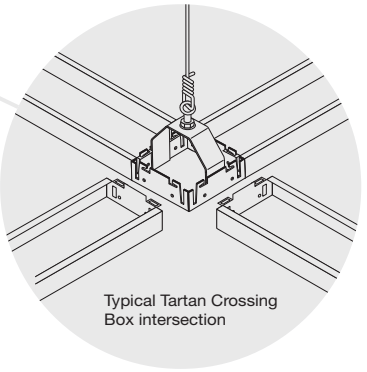
smooth texture



MetalWorks Tartan Custom Ceiling System in Silver Grey

KEY SELECTION ATTRIBUTES

- Modular system offers easy integration of lighting, HVAC, and sprinklers
- Hook-on suspension based on crossing boxes and C-profiles
- Available in 4", 6", 8", and 12" widths
- Factory-cut openings in crossing boxes are ideal installation points for a variety of elements
- Tartan modules may be filled with rectangular, trapezoidal, or square panels
- Color and surface is identical on visible suspension system and infills
- Seismic approved



RAL® is a registered trademark of RAL gGmbH

Armstrong® CEILING & WALL SOLUTIONS

METALWORKS™ TorsionSpan™
smooth texture



Mitered 90-degree corner in MetalWorks™ TorsionSpan™ in Whitelume

KEY SELECTION ATTRIBUTES

- Large panels span the entire length of the corridor
- Monolithic visual with 100% swing-down accessibility
- 24" wide panels with custom lengths up to 120"
- Multiple design options for turning 90-degree corners
- Unique installation reduces wires required to support the suspension system

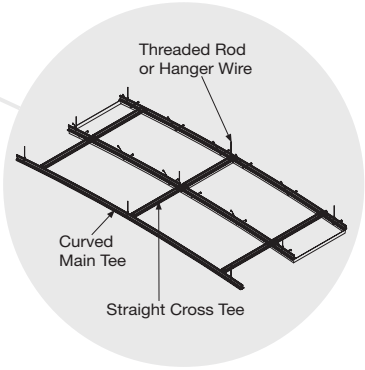
METALWORKS™ Torsion Spring – Flat & Curved
smooth texture



MetalWorks Torsion Spring, Custom Curved Panels in custom colors

KEY SELECTION ATTRIBUTES

- 100% downward accessible
- Butt edge detail; reveal and center scoring options available
- Custom size capabilities ranging from a minimum 12" width up to 120" length
- Cutouts for recessed lights and sprinklers available
- Wide variety of perforations and color options



NRC + CAC = Total Acoustics®

TOTAL ACOUSTICS®

Watch the Total Acoustics® video series with Julian Treasure at: armstrongceilings.com/totalacoustics



Total Acoustics® ceilings have an ideal combination of noise reduction and sound-blocking performance in one panel with a minimum NRC of 0.60 and CAC of 35. Now, whether you're creating a space for quiet concentration, collaboration, or confidentiality, one panel meets the needs for today's flexible spaces.

Perforated wood ceilings can provide sound absorption with the addition of mineral fiber or acoustical fleece backing.

Acoustical absorption is important to:
- Reduce noise levels and reverberation time, as well as enhance speech intelligibility

A continuous WoodWorks® ceiling with a W4 perforation and acoustical infill panel provides sound absorption (NRC 0.65), reducing reverberation by 83%. See example below.

WoodWorks® perforated panels installed with an acoustical infill panel achieve Total Acoustics® Performance.

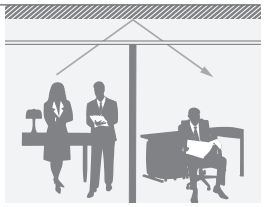
NRC (Noise Reduction Coefficient)

A measure for rating the overall sound absorption of a material when used in an enclosed architectural space such as an office, where sound is reflected at many angles of incidence. A ceiling system with an NRC < 0.50 is considered low performance, whereas one with NRC > 0.70 is considered high performance.



CAC (Ceiling Attenuation Class)

A measure for rating the performance of a ceiling system as a barrier to airborne sound transmission through a common plenum between adjacent closed spaces such as offices. A ceiling system with a CAC < 25 is considered low performance, whereas one with CAC > 35 is considered high performance. CAC is important between closed spaces, and from closed rooms to adjacent spaces, such as corridors and open office spaces.

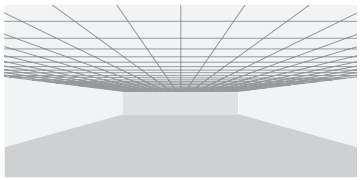


Example:

Exposed Structure



Continuous Ceiling



5,000 SF Exposed Structure (50' x 100'), 15' to deck, drywall with windows on two sides, commercial carpet	**No Treatment (0% Coverage)**	**Continuous WoodWorks Ceiling with W4 Perforation and 2820BK acoustical infill panel**
Ceiling	**Exposed Structure**	**Suspended 60" Below Deck**
NRC	0	0.70
CAC	3.4 sec	0.37
Total Acoustics®	–	**BETTER**
Reverberation Time	3.4 sec	0.6 sec
RT Improvement	ref	83%
SPL Reduction	ref	-5.0 dB

For definitions of acoustical terms, see pages 473-474 in this catalog.

WOODWORKS®



WOOD WORKS

WOODWORKS®

WOODWORKS® Standard Ceilings
At-a-Glance

WOODWORKS® STANDARD CEILINGS



WOODWORKS® Tegular Pgs. 171-174



WOODWORKS® Vector® Pgs. 175-176



WOODWORKS® Channeled Tegular Pgs. 177-178



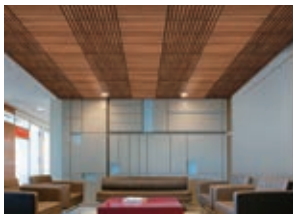
WOODWORKS® Channeled Vector® Pgs. 179-180



WOODWORKS® Channeled Plank Pgs. 181-182



WOODWORKS® Concealed Pgs. 183-184



WOODWORKS® Grille Tegular Pgs. 185-186



WOODWORKS® Grille Backer & Dowel Pgs. 187-190



WOODWORKS® Linear Panels Pgs. 191-194



WOODWORKS® Linear Planks Pgs. 195-196



WOODWORKS® Open Cell Pgs. 197-198



WOODWORKS® Canopies Pg. 100
(Featured in Clouds & Canopies)

WOODWORKS® CUSTOM CEILINGS



WOODWORKS® Access™ Flat Systems Pg. 202



WOODWORKS® Access Curved Systems Pg. 202



WOODWORKS® Radial Systems Pg. 203



WOODWORKS® Custom Ceilings Pg. 204



WOODWORKS® Torsion Spring Pg. 205



WOODWORKS® Custom Canopies Pg. 100
(Featured in Clouds & Canopies)

WOODWORKS® Custom Walls & Ceilings
At-a-Glance

you inspire™
solutions center
helping to bring your one-of-a-kind ideas to life

WOODWORKS® CEILING AND WALLS CUSTOMIZATION



WOODWORKS® Channeled Pgs. 177-182, 455-456



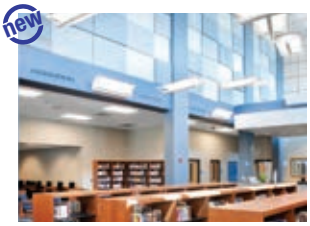
WOODWORKS® Grille Backer & Dowel Pgs. 187-190



WOODWORKS® Linear Panels Pgs. 191-196



Custom Printed Wood Looks Pgs. 245-247
(Featured in Mineral Fiber Ceilings)



TECTUM® Ceiling & Wall Panels Pgs. 445-449
(Featured in Tectum® Wood Fiber Section)

WOODWORKS CEILING-TO-WALL TRANSITIONS



WOODWORKS® Walls Pgs. 453-454
(Featured in Walls)



WOODWORKS® Custom Walls Pgs. 463-464
(Featured in Walls)



WOODWORKS® Grille Wall-to-Ceiling Pgs. 187-190



WOODWORKS® Linear Planks Wall-to-Ceiling Pgs. 191-196

ICON KEY

Icons are used throughout the catalog to help you quickly identify key products with high level of performance.

High Acoustics
Total Acoustics®

Perforated product has both NRC of 0.70 or greater AND CAC of 35 or higher when used with acoustic infill panels.

Product has NRC (Noise Reduction Coefficient) 0.70 or greater.

Product has CAC (Ceiling Attenuation Class) of 35 or higher.

Fire Performance
Class A

Seismic

Category D, E & F

High Durability
Washability

Offers superior wash resistance without compromising panel finish integrity, using a washability tester as per modified ASTM D4828.

Soil Resistance

Excellent resistance to dirt and/or grease for lasting value and performance.

Plenum Access

Downward access for panels minimizes panel damage.

Color Availability

Available in color.

WOODWORKS® Standard Ceilings

Standard Finishes

WOOD LOOKS™ ON METAL CEILINGS (featured in MetalWorks Ceiling Section Pgs. 99-146)



METALWORKS™ Vector® Faceted in Effects™ Cherry — Pgs. 125-126



METALWORKS™ Tegular in Effects Cherry — Pgs. 121-124



METALWORKS™ Linear Faceted in Effects Cherry — Pgs. 131-134



METALWORKS™ Vector® in Custom Formations in Effects Cherry — Pgs. 125-126



METALWORKS™ Linear in Effects Dark Cherry — Pgs. 131-134



METALWORKS™ Vector® Faceted in Effects Dark Cherry — Pgs. 125-126



METALWORKS™ Vector® in Effects Maple — Pgs. 125-126



METALWORKS™ Vector® in Effects Light Cherry — Pgs. 125-126



METALWORKS™ Linear in Effects Light Cherry — Pgs. 131-138

EFFECTS FINISHES FOR METAL CEILINGS

- Effects™ Maple (FXMP)
- Effects Cherry (FXCH)
- Effects Dark Cherry (FXDC)
- Effects Walnut (FXWN)
- Effects Oak (FXOK)
- Effects Walnut Espresso (FXWE)

PUREWOOD VENEER FINISHES FOR METAL CEILINGS – Interior Only

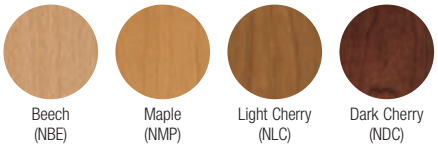
- Maple (NMP)
- Light Cherry (NLC)
- Dark Cherry (NDC)

WOODWORKS® Standard Ceilings

Standard Finishes

COMPOSITE WOOD PANEL VENEERS

Natural Variations™ (Real Wood Veneers)



Beech (NBE) | Maple (NMP) | Light Cherry (NLC) | Dark Cherry (NDC)

Constants™ (Real Wood Veneers)

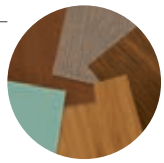


Maple (CMA) | Cherry (CCY) | Walnut (CWA) | Redux Wood Wheat (CRW)

Bamboo* (Rapidly Renewable)



Patina (BAP) | Native (BAN)



Custom Finishes Available



Walnut (NWN) | Oak (NOK) | Walnut Espresso (NWE)

Images™ Finishes (High Quality Printed Finishes)



Maple (PMP) | Light Cherry (PLC) | Dark Cherry (PDC)



Custom Perforations Available

* Veneer is rapidly renewable. Bamboo is a grass that requires 3-7 years for maturity

Custom veneers are available on the following standard WoodWorks® products:

- WoodWorks® Concealed
- WoodWorks® Tegular
- WoodWorks® Vector®
- WoodWorks® Channeled
- WoodWorks® Linear

NOTE: WoodWorks custom panels can be made from any standard WoodWorks veneer.

COMPOSITE WOOD PANELS

	Concealed	Tegular	Vector®	Channeled	Linear	Linear Panels
Real Wood Veneers						
NATURAL VARIATIONS						
Beech	✔	✔	✔		✔	✔
Maple	✔	✔	✔	✔	✔	✔
Light Cherry	✔	✔	✔	✔	✔	✔
Dark Cherry	✔	✔	✔	✔	✔	✔
Walnut	✔	✔	✔		✔	✔
Oak	✔	✔	✔		✔	✔
Walnut Espresso	✔	✔	✔		✔	✔
CONSTANTS						
Maple	✔	✔	✔		✔	✔
Cherry	✔	✔	✔		✔	✔
Walnut	✔	✔	✔		✔	✔
Redux Wheat	✔	✔	✔		✔	✔
BAMBOO						
Patina	✔	✔	✔		✔	✔
Native	✔	✔	✔		✔	✔
Images™ Printed Finishes						
Maple				✔		
Light Cherry				✔		
Dark Cherry				✔		

SOLID WOOD PANEL FINISHES



Grille Maple (GMP) | Grille Light Cherry (GLC) | Grille Dark Cherry (GDC) | Grille Walnut (GWN) | Grille White (GWH) | Custom Finishes Available

SOLID WOOD PANELS

	Grille	Grille Tegular	Linear Planks	Open Cell
Grille Maple	✔	✔	✔	✔
Grille Light Cherry	✔	✔	✔	✔
Grille Dark Cherry	✔	✔	✔	✔
Grille Walnut	✔	✔	✔	✔
Grille White	✔	✔	✔	

WOODWORKS® Ceilings

Standard Perforations

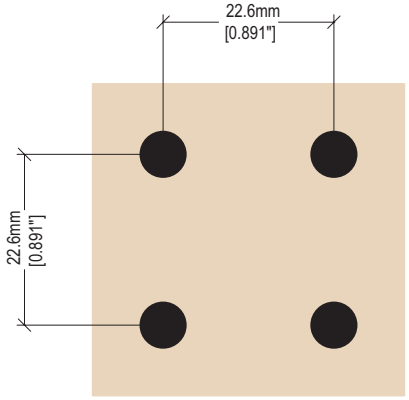
Key for Perforation Names (Example – Rg 6006)

R	Hole shape (R = round / Q = square / L = oval / T = trapezoid)
g	Pattern (g = straight / d = diagonal / v = staggered)
60	Diameter of hole size in mm (Example – 6 mm)
06	% open area

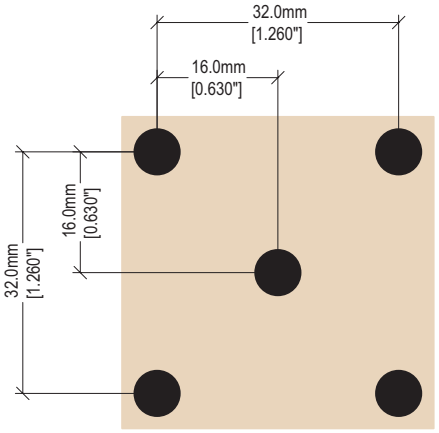
COMPOSITE WOOD PERFORATIONS – CONCEALED, TEGULAR & VECTOR®

Standard Perforations Actual 1:1 scale shown unless otherwise noted.

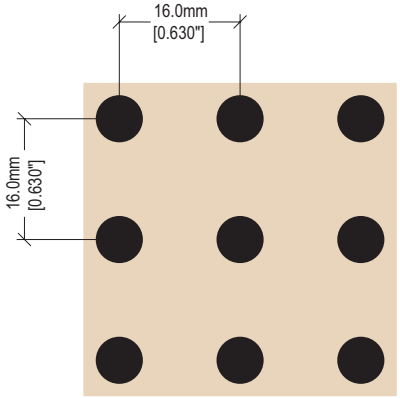
W1
Type: Unperforated
Hole Size: 0mm [0"]
% Open Area: 0%



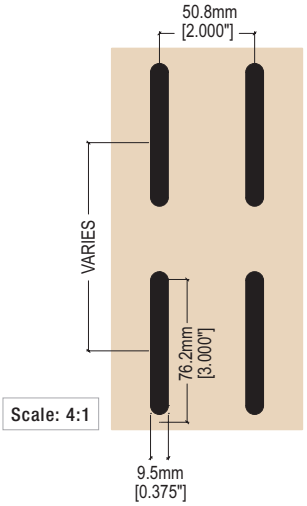
W2 (Rg 6006)
Type: Round Straight
Hole Size: 6.0mm [.236"]
% Open Area: 6.0%



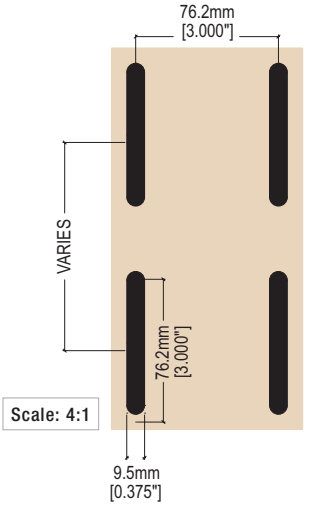
W3 (Rd 6006)
Type: Round Diagonal
Hole Size: 6.0mm [.236"]
% Open Area: 6.0%



W4 (Rg 6011)
Type: Round Straight
Hole Size: 6.0mm [.236"]
% Open Area: 11.0%

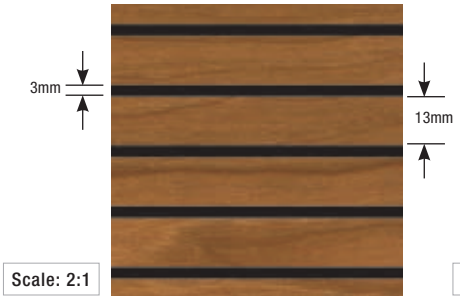


W5 (Lg 9512)
Type: Oval Straight
Hole Size: 76.2mm x 9.5mm [3.0" x .375"]
% Open Area: Varies



W6 (Lg 9508)
Type: Oval Straight
Hole Size: 76.2mm x 9.5mm [3.0" x .375"]
% Open Area: Varies

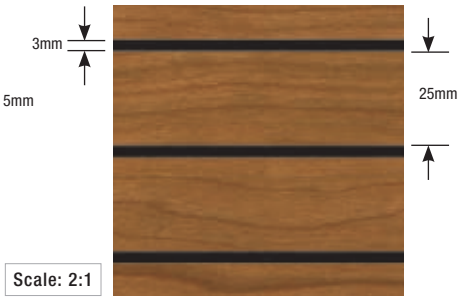
COMPOSITE WOOD PERFORATIONS – CHANNELED



W7
Type: Channeled
Groove Size: 13mm profile with 3mm groove



W8*
Type: Channeled
Groove Size: 5mm profile with 3mm groove



W9
Type: Channeled
Groove Size: 25mm profile with 3mm groove

* Not available in Images™ Finishes

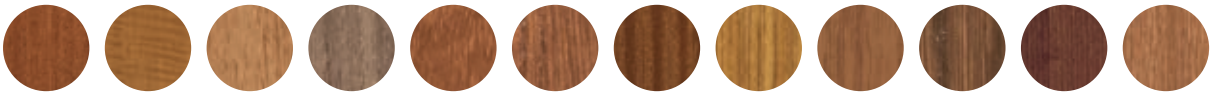
Armstrong® CEILING & WALL SOLUTIONS

WOODWORKS® Upgrade Ceiling Options

Take our standard WoodWorks® products in standard sizes, and make them distinctively yours by choosing from a variety of custom veneers (including FSC®-certified options) and/or perforations.

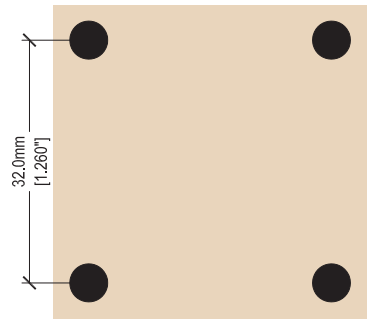
CUSTOM VENEERS (PARTIAL LIST)

In addition to standard veneers, custom veneers and continuous upturn options are available on many WoodWorks products. The following is a representation of some custom veneers used on recent projects. Veneer management is available to provide many other custom veneer options, and to coordinate with millwork or other interior finishes.

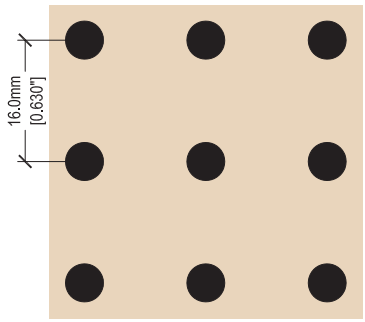


African Mahogany Quartered | Anigre Quartered Figured | Anigre Quartered | Black Walnut Quartered | Cherry Plain Sliced | Sapele Plain Sliced | Sapele Quartered | Teak Quartered | Walnut Quartered | White Oak Plain Sliced | Cherry Quartered | Makore Plain Sliced

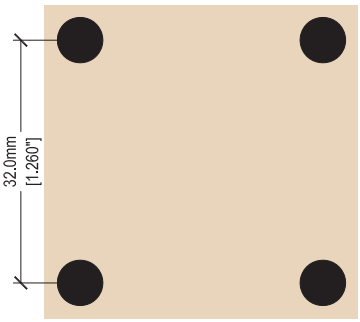
CUSTOM PERFORATIONS Actual 1:1 scale shown



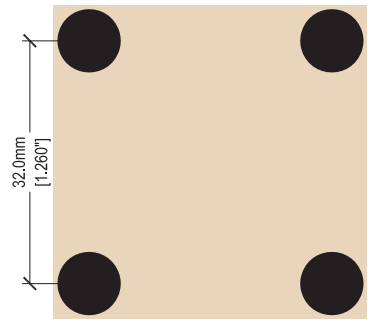
Rg 5002
Type: Round Straight
Hole Size: 5.0mm [.197"]
% Open Area: 2.0%



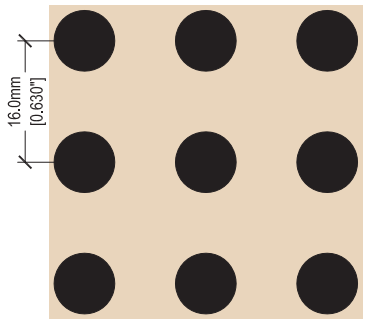
Rg 5008
Type: Round Straight
Hole Size: 5.0mm [.197"]
% Open Area: 8.0%



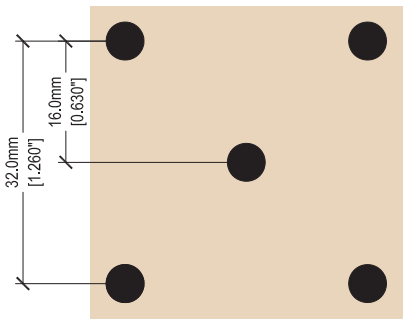
Rg 6003
Type: Round Straight
Hole Size: 6.0mm [.236"]
% Open Area: 3.0%



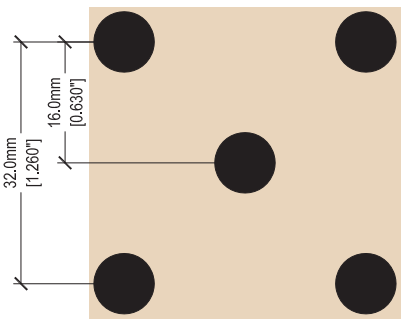
Rg 8005
Type: Round Straight
Hole Size: 8.0mm [.315"]
% Open Area: 5.0%



Rg 8020
Type: Round Straight
Hole Size: 8.0mm [.315"]
% Open Area: 20.0%

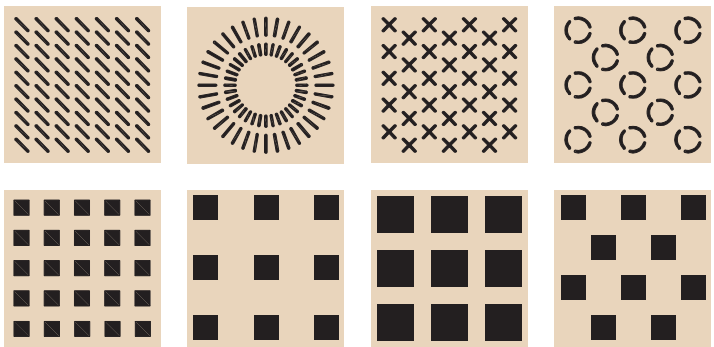


Rd 5004
Type: Round Diagonal
Hole Size: 5.0mm [.197"]
% Open Area: 4.0%



Rd 8010
Type: Round Diagonal
Hole Size: 8.0mm [.315"]
% Open Area: 10.0%

CUSTOM PERFORATION CAPABILITIES Examples represent visual on a 24" x 24" panel



NOTE: Perforations not recommended for WoodWorks Custom Curved panels

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WOODWORKS®

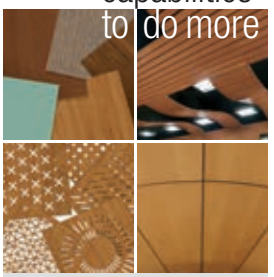
Tegular

TOTAL ACOUSTICS®
Sound Absorption (NRC)
+ Sound Blocking (CAC)



WoodWorks® Tegular panels with W2 perforation in Natural Variations™ Maple with Suprafine® XL® 9/16" exposed tee suspension system (Pgs. 399-400)

plus... capabilities to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Now get Total Acoustics® performance with WoodWorks® Tegular perforated panels – excellent noise reduction and sound blocking in one system.

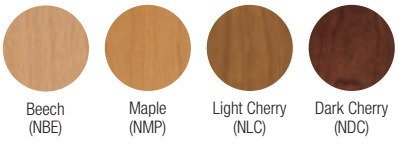
KEY SELECTION ATTRIBUTES

- Get total noise control and design flexibility with Total Acoustics® ceiling panels: NRC + CAC = Total Acoustics® performance
- Create upturns for continuous visuals and clouds with WoodWorks trim (see page 183 for trim options)
- Coordinating WoodWorks walls available (see pages 421-422 for wall offering)
- 18" x 18" Tegular infill panels now available for Metaphors® Coffers; for details, visit armstrongceilings.com/metaphors
- Shorter lead times and lower cost than custom millwork

VENEERS

Due to printing limitations, shade may vary from actual product.

Natural Variations™
(Real Wood Veneers)



Beech (NBE) | Maple (NMP) | Light Cherry (NLC) | Dark Cherry (NDC)



Walnut (NWN) | Oak (NOK) | Walnut Espresso (NWE)

Constants™
(Real Wood Veneers)



Maple (CMA) | Cherry (CCY) | Walnut (CWA) | Redux Wood Wheat (CRW)

Bamboo*



Patina (BAP) | Native (BAN)

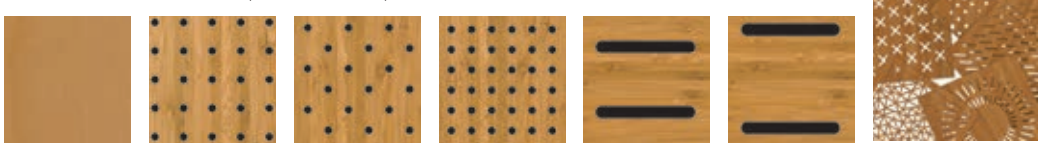


Custom Veneers Available

* Veneer is rapidly renewable. Bamboo is a grass that only requires 3-7 years for maturity and does not have to be replanted after each harvest.

PERFORATION OPTIONS

(Actual 1:6 scale shown)



W1 (Unperforated) | W2 – Rg 6006 (Round Straight) | W3 – Rd 6006 (Round Diagonal) | W4 – Rg 6011 (Round Straight) | W5 – Lg 9512 (Oval Straight Slotted) | W6 – Lg 9508 (Oval Straight Slotted) | Custom Perforations Available

NOTE: Slotted perforations run parallel to the length of the panel. To view more perforation information and build swatches in real time, visit armstrongceilings.com/swatchit

Armstrong® CEILING & WALL SOLUTIONS

WOODWORKS®

Tegular

USDA CERTIFIED BIOBASED PRODUCT
PRODUCT 100%

FSC www.fsc.org FSC® C007626 The mark of responsible forestry

UP TO 92% RECYCLED CONTENT

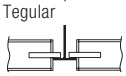
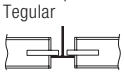
For LEED contribution contact TechLine

LEED® ✓ energy management ✓ construction waste mgmt ✓ regional materials ✓ design for flexibility ✓ EPD ✓ recyclable/ extended producer resp. ✓ biobased materials ✓ FSC (for wood) ✓ recycled content ✓ sourcing of raw materials material ingredient reporting ✓ low emitting/ materials ✓ lighting quality ✓ acoustics

▲ LOCATION DEPENDENT ▲ WITH INFILL PANEL

VISUAL SELECTION

PERFORMANCE

Edge Profile	Item No. ◆	Dimensions Nominal W x L x H (Inches) Custom Sizes Available		Perforations	Fire Rating
WOODWORKS® Tegular					
9/16" Square Tegular 	**5404**_ _ _ _ _	24 x 24 x 3/4"	□	W1, W2, W3, W4, W5, W6	Class A
FSC®-certified WOODWORKS Tegular					
9/16" Square Tegular 	**5406**_ _ _ _ _	24 x 24 x 3/4"	□	W1, W2, W3, W4, W5, W6	Class A
	6484_ _ _ _ _	12 x 48 x 3/4"	▭		
	6485_ _ _ _ _	12 x 72 x 3/4"	▭		
	6486_ _ _ _ _**	24 x 48 x 3/4"	▭		
	6487_ _ _ _ _**	24 x 72 x 3/4"	▭		
TechZone® Panels					
	6510_ _ _ _ _	24 x 42 x 3/4"	▭	W1, W2, W3, W4, W5, W6	Class A
	6511_ _ _ _ _	30 x 30 x 3/4"	□		
	6512_ _ _ _ _	27 x 30 x 3/4"	□		

◆ When specifying or ordering, include the appropriate 2-digit perforation and 3-letter color suffixes. For veneers, sizes, and perforation patterns available as special order, call TechLine at 1 877 276-7876.

** 24" x 48" and 24" x 72" Tegular panels are available standard with fleece attached. Fleece on other panels must be specified.

NOTE: Items 6485 and 6487 (12" x 72" and 24" x 72" series) include suspension system stabilizer hooks. Items 6510, 6511, and 6512 are available in limited standard finishes and perforation options. See TechZone® ceiling systems (pages 337-344) for more details.

ACOUSTICAL INFORMATION

Dots represent high level of performance.

Performance determined by perforation size

Perforation		Infill Panel Item Number	NRC	+	CAC	=	Total Acoustics[1] NRC + CAC
W1 	Unperforated		N/A		38 •		–
W2 	Round Straight	8200100	0.40		28		–
		5479	0.40		28		–
		5823	0.40		28		–
		1713BL	0.65		42 •		GOOD
		2820BK	0.70 •		37 •		BETTER
W3 	Round Diagonal	8200100	0.40		28		–
		5479	0.40		28		–
		5823	0.40		28		–
		1713BL	0.65		42 •		GOOD
		2820BK	0.70 •		37 •		BETTER
W4 	Round Straight	8200100	0.40		28		–
		5479	0.40		28		–
		5823	0.40		28		–
		1713BL	0.70 •		42 •		BETTER
		2820BK	0.70 •		37 •		BETTER
W5 	Oval Straight Slotted	8200100	0.40		28		–
		5479	0.40		28		–
		5823	0.40		28		–
		1713BL	0.70 •		42 •		BETTER
		2820BK	0.80 •		37 •		BEST
W6 	Oval Straight Slotted	8200100	0.40		28		–
		5479	0.40		28		–
		5823	0.40		28		–
		1713BL	0.65		42 •		GOOD
		2820BK	0.70 •		37 •		BETTER

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+)
BETTER (NRC 0.70-0.75; CAC 35+)
BEST (NRC 0.80+; CAC 35+)

For perforation % open area, refer to Pgs. 153-154.
For infill panel information, refer to Pg. 184.

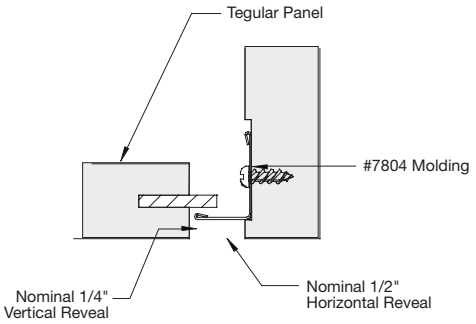
EXAMPLE: **5406 W2 NLC**

- 5406: Panel Dimension/Type: 24" x 24" FSC-certified
- W2: Perforation: W2 Round Straight Rg 6006
- NLC: Finish: Natural Variations Light Cherry

WOODWORKS®

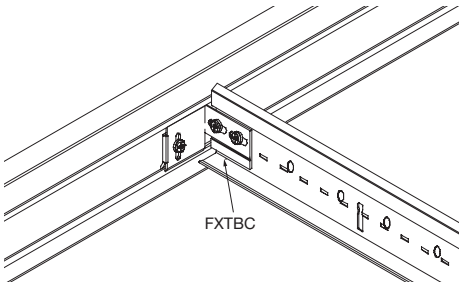
Tegular

WOODWORKS® TRIM (WOOD SUBSTRATE) INSTALLATION

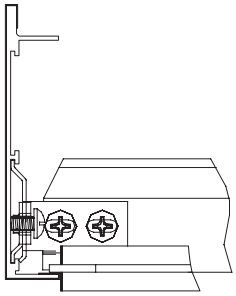


Trim with Tegular Panel

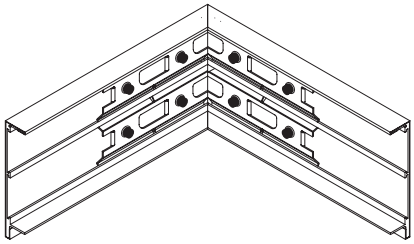
WOODWORKS TRIM (ALUMINUM SUBSTRATE) INSTALLATION



FXTBC Detail



Trim Assembly for Tegular Panel

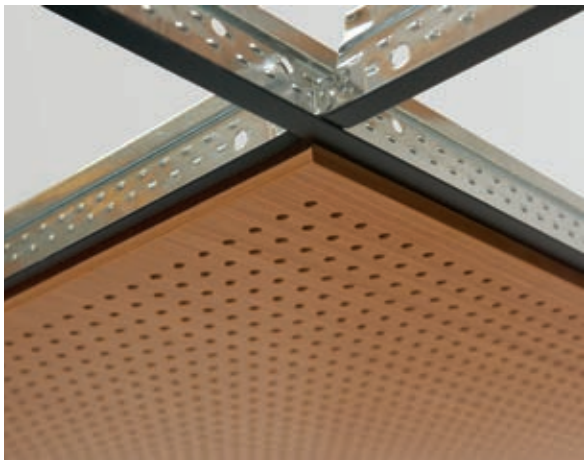


FXSPLICE Corner Detail

TOTAL ACOUSTICS® PANEL INSTALLATION



WoodWorks® Tegular ceiling panel with Calla® 2820 acoustic infill panel for Total Acoustics® performance



WoodWorks® Tegular ceiling panel with acoustical panel installed for Total Acoustics® performance

ACCESSORIES

Item No. ◆	Description	Dimensions (Inches) Nominal W x L x H	Color	Pcs/ Crtn
5415W1_ _ _	4" WoodWorks® Trim (with FSC®-certified wood substrate)	4 x 96 x 3/4"	See Colors on Page 155	6
5419W1_ _ _	6" WoodWorks Trim (with FSC-certified wood substrate)	6 x 96 x 3/4"	See Colors on Page 155	4
5659W1_ _ _	4" WoodWorks Trim (with aluminum substrate)	4" x 120"	See Colors on Page 155	6
5660W1_ _ _	6" WoodWorks Trim (with aluminum substrate)	6" x 120"	See Colors on Page 155	6
7804BL	Angle Molding (recommended with wood trims)	7/8 x 144 x 9/16"	Black	2
FXTBC	T-Bar Connector Clip	–	–	10
FXVTBC	Vector® T-Bar Connector Clip	–	–	10
FXSPLICE	Splice Plate with Setscrews	–	–	10
FX4SPLICE	Splice Plate with Setscrews	–	–	10
6408_ _ _	3/4" Edge Banding	3/4" x 300"	See Colors on Page 155	–
7891	12-Gauge Hanger Wire	144" Length	–	–
92715A620	Self-tapping Screws	#2 x 3/4" Length	Black	25
1713BL	Fine Fissured™ Lay-in Panel	24 x 24 x 3/4"	Tech Black	14
2820BK	Calla® Lay-in Panel	24 x 24 x 1"	Black	10
5479	BioAcoustic™ Infill Panel	24 x 24 x 5/8"	Beige Matte	12
5823	BioAcoustic Infill Panel	24 x 24 x 5/8"	Black Matte	12
8200100	Fiberglass Infill Panel	24 x 24 x 1"	Black Gloss	12
6091	Safety Cable	–	–	50

◆ When specifying or ordering, include the color suffix that coordinates with your WoodWorks ceiling: (e.g., 5415W1 N M P)



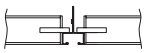
WoodWorks® Vector® with 4" WoodWorks Trim (wood substrate) in Bamboo Patina



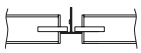
Axiom® Trim also available in multiple colors and profile sizes. For details, visit armstrongceilings.com/axiom

SUSPENSION SYSTEMS

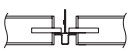
9/16" Tegular



Silhouette®



Suprafine®



Interlude® XL® HRC

Suprafine is available in many standard colors. All other suspension systems are available in standard White only. Other colors available as special order.

PHYSICAL DATA

Material
Fire-retardant particle board with face-cut veneers; FSC®-certified fire-retardant particle board with face-cut veneers (RA-COC-003601). For more information about FSC®-certified fire-retardant products, or to view our FSC®-certification letter, visit armstrongceilings.com/woodworksfsc

Surface Finish
Clear or tinted semigloss coating

Fire Performance
ASTM E84 surface burning characteristics, HPVA Certified with audit program per ASTM E84. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

Acoustical Performance
CAC testing conducted using Silhouette® suspension system.

ASTM E1264 Classification
Composite – Fire Class A

Primary (Embodied) Energy
See all LCA information on our EPDs.

Application Considerations
Variation among panels may occur due to the natural characteristics of the wood and grain.

It is very important that WoodWorks® panels are climatized prior to installation. Relative humidity between 25% and 55%, and temperatures between 50°F and 86°F, must be maintained throughout the life of the product.

Design Considerations
Different panel sizes should not be installed together. Perforated panel borders will vary (length and width) based on perforation selection and panel size. Do not mix perforations on the same installation.

Specification Consideration
Attention: For FSC-certified wood products to maintain their CoC certification, products must be sold to a CoC-certified distributor or directly to the installing contractor. Failure to do so breaks the CoC.

Installation Consideration for Tegular Panels
Due to panel weight, 24" x 48" and 24" x 72" panels require that the suspension system be attached to the back with safety cables attached. 12" x 72" and 24" x 72" panels require the use of suspension system stabilizer clips (which are included in the cartons).

Seismic Restraint
WoodWorks Tegular solid wood panels have been engineered, tested, and approved for application in all seismic areas when installed per Armstrong Ceilings installation instructions.

Warranty
Details at armstrongceilings.com

Weight; Square Feet
Panels – 2.75 lbs/SF

TechLine / 1 877 276-7876
armstrongceilings.com/woodworks
(search: woodworks tegular)
BPCS-5103-57

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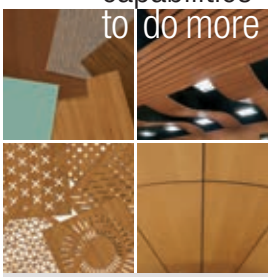
WOODWORKS®

Vector®



WoodWorks® Vector® panels – Rg 5008 Perforation in Custom White Oak Rift with Prelude® XL® 15/16" suspension system (Pgs. 391-392)

plus... capabilities to do more



armstrongceilings.com/capabilities

See more photos at: armstrongceilings.com/photogallery

Fully accessible wood panels are available in multiple options for acoustical and aesthetic needs.

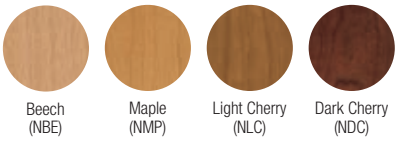
KEY SELECTION ATTRIBUTES

- Vector® edge detail provides safe and secure downward accessibility without tools and narrow reveal visual (1/4")
- Create upturns for continuous visuals and clouds with WoodWorks® Trim (see page 183 for trim options)
- Coordinating WoodWorks® walls available (see pages 421-422 for wall offering)
- 18" x 18" Tegular infill panels now available for Metaphors® Coffers; for details, visit armstrongceilings.com/metaphors
- Installation with minimum plenum clearance (Vector)
- Shorter lead times and lower cost than custom millwork

VENEERS

Due to printing limitations, shade may vary from actual product.

Natural Variations™
(Real Wood Veneers)



Beech (NBE) | Maple (NMP) | Light Cherry (NLC) | Dark Cherry (NDC)



Walnut (NWN) | Oak (NOK) | Walnut Espresso (NWE)

Constants™
(Real Wood Veneers)



Maple (CMA) | Cherry (CCY) | Walnut (CWA) | Redux Wood Wheat (CRW)

Bamboo*



Patina (BAP) | Native (BAN)

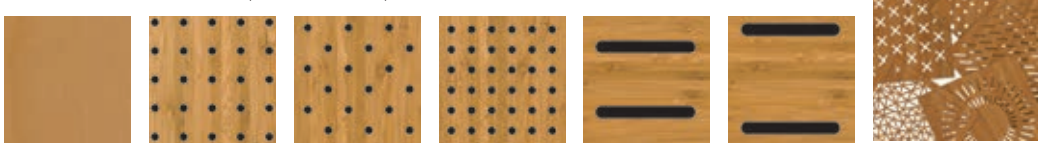


Custom Veneers Available

* Veneer is rapidly renewable. Bamboo is a grass that only requires 3-7 years for maturity and does not have to be replanted after each harvest.

PERFORATION OPTIONS

(Actual 1:6 scale shown)



W1 (Unperforated) | W2 – Rg 6006 (Round Straight) | W3 – Rd 6006 (Round Diagonal) | W4 – Rg 6011 (Round Straight) | W5 – Lg 9512 (Oval Straight Slotted) | W6 – Lg 9508 (Oval Straight Slotted) | Custom Perforations Available

NOTE: Slotted perforations run parallel to the length of the panel. To view more perforation information and build swatches in real time, visit armstrongceilings.com/swatchit

Armstrong® CEILING & WALL SOLUTIONS

WOODWORKS®

Vector®

USDA CERTIFIED BIOBASED PRODUCT
PRODUCT 100%

FSC www.fsc.org FSC® C007626 The mark of responsible forestry

UP TO 92% RECYCLED CONTENT

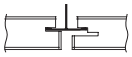
For LEED contribution contact TechLine

LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	FSC (for wood)	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
			✓	✓	✓		✓	✓	✓	✓		✓		✓

▲ LOCATION DEPENDENT

▲ WITH INFILL PANEL

VISUAL SELECTION

Edge Profile	Item No. ◆	Dimensions Nominal W x L x H (Inches) Custom Sizes Available		Perforations	Fire Rating
WOODWORKS® Vector®					
15/16" Vector – 1/4" Reveal 	**5401**_ _ _ _ _	24 x 24 x 3/4"	□	W1, W2, W3, W4, W5, W6	Class A
FSC®-certified WOODWORKS Vector					
15/16" Vector – 1/4" Reveal 	**5403**_ _ _ _ _	24 x 24 x 3/4"	□	W1, W2, W3, W4, W5, W6	Class A
	6480_ _ _ _ _	12 x 48 x 3/4"	▭		
	6482_ _ _ _ _	24 x 48 x 3/4"	▭		

◆ When specifying or ordering, include the appropriate 2-digit perforation and 3-letter color suffixes. For veneers, sizes, and perforation patterns available as special order, call TechLine at 1 877 276-7876.

PERFORMANCE

ACOUSTICAL INFORMATION

Dots represent high level of performance.

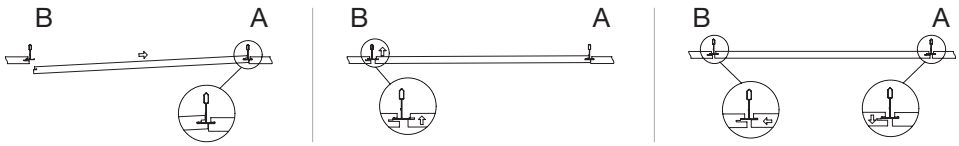
Perforation		NRC* (24" x 48") NRC	NRC* (all other sizes) NRC	CAC* CAC
W1 	Unperforated	N/A	N/A	38 •
W2 	Round Straight	0.50	0.40	28
W3 	Round Diagonal	0.50	0.40	28
W4 	Round Straight	0.70 •	0.65	28
W5 	Oval Straight Slotted	0.55	0.55	28
W6 	Oval Straight Slotted	0.45	0.40	28

* Maximum NRC achieved with acoustical infill (item 8200100 or 5479). When infill is used, CAC is 28. For additional infill options, refer to the Acoustical Infill Panels data page (BPCS-4172).

EXAMPLE: **5401 W2 NLC**

- 5401: Panel Dimension/Type: 24" x 24" FSC-certified
- W2: Perforation: W2 Round Straight Rg 6006
- NLC: Finish: Natural Variations Light Cherry

VECTOR PANEL INSTALLATION DETAILS

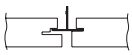


Step 1: Fully insert the deepest kerf of edge "A", the access kerf, onto the exposed grid flange.

Step 2: Raise the "B" edge of the panel, the registration kerf, into the grid opening until the kerf lines up with the grid flange.

Step 3: Slide the panel so that the registration kerf on edge "B" engages the grid flange. Ensure that the access kerf on edge "A" drops down into the correct position.

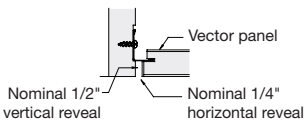
SUSPENSION SYSTEMS

15/16" Vector 

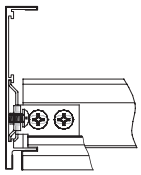
Prelude®

Prelude suspension system is available in many standard colors. Other colors available as special order.

WOODWORKS TRIM INSTALLATION



Wood Substrate
Trim with Vector Panel



Aluminum Substrate
Trim Assembly for Vector Panel

PHYSICAL DATA

Material
Fire-retardant particle board with face-cut veneers; FSC®-certified fire-retardant particle board with face-cut veneers (RA-COC-003601). For more information about FSC®-certified fire-retardant products, or to view our FSC®-certification letter, visit armstrongceilings.com/woodworksfsc

Surface Finish
Clear or tinted semigloss coating

Fire Performance
ASTM E84 surface burning characteristics, HPVA Certified with audit program per ASTM E84. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

ASTM E1264 Classification
Composite – Fire Class A

Primary (Embodied) Energy
See all LCA information on our EPDs.

Application Considerations
Variation among panels may occur due to the natural characteristics of the wood and grain.

It is very important that WoodWorks panels are climatized prior to installation. Relative humidity between 25% and 55%, and temperatures between 50°F and 86°F, must be maintained throughout the life of the product.

Design Considerations
Different panel sizes should not be installed together. Perforated panel borders will vary (length and width) based on perforation selection and panel size. Do not mix perforations on the same installation.

Vector safety clips included with panels may be visible through panel perforations.

Specification Consideration
Attention: For FSC-certified wood products to maintain their CoC certification, products must be sold to a CoC-certified distributor or directly to the installing contractor. Failure to do so breaks the CoC.

Seismic Restraint
WoodWorks Vector solid wood panels have been engineered, tested, and approved for application in all seismic areas when installed per Armstrong Ceilings installation instructions.

Warranty
Details at armstrongceilings.com

Weight; Square Feet
Panels – 2.75 lbs/SF

TechLine / 1 877 276-7876
armstrongceilings.com/woodworks
(search: woodworks vector)
BPCS-5416-517

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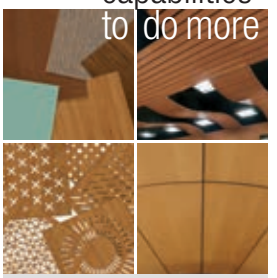
Armstrong® CEILING & WALL SOLUTIONS

WOODWORKS® Channeled
Tegular

TOTAL ACOUSTICS®
Sound Absorption (NRC) + Sound Blocking (CAC)



WoodWorks® Channeled panels with W9 perforation in Natural Variations™ Maple



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Now get Total Acoustics® performance with WoodWorks® Channeled Tegular perforated panels – excellent noise reduction and sound blocking in one system.

KEY SELECTION ATTRIBUTES

- Get total noise control and design flexibility with Total Acoustics® ceiling panels: NRC + CAC = Total Acoustics® performance
- Real wood veneers or Images™ high-quality printed visuals
- Create a continuous ceiling, cloud, or ceiling-to-wall transition
- Acoustical backing improves sound quality
- Shorter lead times and lower costs than custom millwork
- Class A fire performance

Natural Variations™ Finishes

- FSC® chain of custody (CoC) certified WoodWorks products represent responsible production and consumption practices from the forest to the consumer
- 100% Biobased content
- BioAcoustic™ infill panels can enhance acoustics and contribute to LEED® credits

Images™ Finishes

- Larger Tegular panel sizes – 24" x 48", 12" x 48", and 30" x 30" for even more design flexibility
- BioAcoustic™ infill panels can enhance acoustics and contribute to LEED® credits

VENEERS
Due to printing limitations, shade may vary from actual product.

Natural Variations (Real Wood Veneers)



Maple (NMP) | Light Cherry (NLC) | Dark Cherry (NDC)



Custom Veneers Available

IMAGES™ FINISHES
(High-Quality Printed Finishes)



Maple (PMP) | Light Cherry (PLC) | Dark Cherry (PDC)

VENEER PERFORATION OPTIONS
(Actual 1:2 scale shown)



W7 (13mm profile with 3mm groove)



W8 (5mm profile with 3mm groove)



W9 (25mm profile with 3mm groove)

IMAGES PERFORATION OPTIONS
(Actual 1:2 scale shown)



W7 (13mm profile with 3mm groove)



W9 (25mm profile with 3mm groove)

WOODWORKS® Channeled
Tegular

USDA CERTIFIED BIOBASED PRODUCT PRODUCT 100%

FSC www.fsc.org FSC® C007626 The mark of responsible forestry

UP TO 92% RECYCLED CONTENT

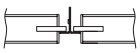
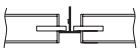
For LEED contribution contact TechLine

LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	FSC (for wood)	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
			✓	✓			✓	✓	✓	✓		✓		✓

LOCATION DEPENDENT

VISUAL SELECTION

*Images™ products are not FSC or Rainforest Alliance Certified

Edge Profile	Item No. ◆	Dimensions Nominal W x L x H (Inches) Custom Sizes Available		Perforations	Fire Rating
FSC®-certified WOODWORKS® Channeled Tegular Veneers Perforated (with Acoustical Fleece)					
9/16" Tegular 	**5904** _ _ _ _ _	24 x 24 x 3/4"	☐	W7, W8, W9	Class A
WOODWORKS® Channeled Tegular Images™ Finishes Perforated (with Acoustical Fleece)					
9/16" Tegular 	**6683** _ _ _ _ _	24 x 24 x 11/16"	☐	W7, W9	Class A
	6681 _ _ _ _ _	12 x 48 x 11/16"	▭		
	6685 _ _ _ _ _	24 x 48 x 11/16"	▭		
	6687 _ _ _ _ _	30 x 30 x 11/16"	☐		

◆ When specifying or ordering, include the appropriate 2-letter perforation suffix and the color suffix (e.g., 6683W 7 P M P.)

ACOUSTICAL INFILL PANELS

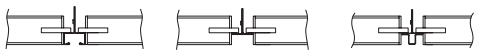
Item No.	Description	Dimensions (Inches) Nominal W x L x H	Color	Pcs/ Crtn
1713	School Zone® Fine Fissured™ Square Lay-in Acoustic Panel	24 x 24 x 3/4"	White	14
2820	Calla® Square Lay-in Acoustic Panel	24 x 24 x 1"	White	10

ACCESSORIES

Natural Variations™ and Images™ finishes are designed to coordinate with each other. Trim and infill panels are available. See Pgs. 183-184 in this catalog.

SUSPENSION SYSTEMS

9/16" Tegular



Silhouette® Suprafine® Interlude® XL® HRC

Suprafine suspension system is available in many standard colors.
All other suspension systems are available in standard White only. Other colors available as special order.

PERFORMANCE

ACOUSTICAL INFORMATION

Dots represent high level of performance.

WITH INFILL PANEL

Performance determined by perforation size

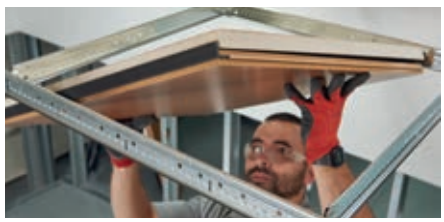
Perforation		Infill Panel Item Number	NRC	+	CAC	=	Total Acoustics[1] NRC + CAC
W7 	13mm Profile Groove	8200100	0.80 ●		N/A		–
		5823	0.80 ●		N/A		–
		1713	0.70 ●		42 ●		BETTER
		2820	0.80 ●		40 ●		BEST
W8 	5mm Profile Groove	8200100	0.80 ●		N/A		–
		5823	0.80 ●		N/A		–
		1713	0.70 ●		42 ●		BETTER
		2820	0.80 ●		40 ●		BEST
W9 	25mm Profile Groove	8200100	0.80 ●		N/A		–
		5823	0.80 ●		N/A		–
		1713	0.65		42 ●		GOOD
		2820	0.70 ●		40 ●		BETTER

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+)
BETTER (NRC 0.70-0.75; CAC 35+)
BEST (NRC 0.80+; CAC 35+)

For infill panel information, refer to Pg. 184.

EXAMPLE: **6683 W7 PMP**

- 6683: Panel Dimension/Type: 24" x 24" Tegular
- W7: Perforation: W7 13mm
- PMP: Finish: Images Maple



WoodWorks® Channeled ceiling panel with Calla® 2820 acoustic infill panel for Total Acoustics® performance

PHYSICAL DATA

Material
FSC®-certified fire-retardant medium-density fiberboard with face-cut veneers (RA-COC-003601). For more information about FSC®-certified products, or to view our FSC®-certification letter, visit armstrongceilings.com/woodworksfsc

Surface Finish
Clear or tinted semigloss coating

Fire Performance
ASTM E84 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

Acoustical Performance
CAC testing conducted using Silhouette® suspension system.

ASTM E1264 Classification
Composite – Fire Class A

Application Considerations
Variation among panels may occur due to the natural characteristics of the wood and grain.

It is very important that WoodWorks® panels are climatized prior to installation. Relative humidity between 25% and 55%, and temperatures between 50°F and 86°F, must be maintained throughout the life of the product.

Specification Consideration
Attention: For FSC certified wood products to maintain their CoC certification, products must be sold to a CoC certified distributor or directly to the installing contractor. Failure to do so breaks the CoC.

Seismic Restraint
WoodWorks Channeled wood panels have been engineered, tested, and approved in all seismic areas when installed per Armstrong Ceilings installation instructions.

Warranty
Details at armstrongceilings.com

Panel Weight
2.2 lbs/SF (Bulk packaged)

TechLine / 1 877 276-7876
armstrongceilings.com/woodworks
(search: woodworks channeled tegular)

BPCS-5104-517

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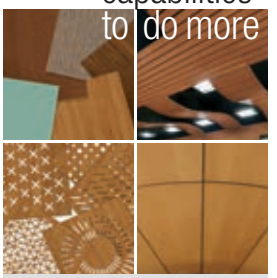
WOODWORKS® Channeled

Vector®



WoodWorks® Channeled Vector® panels in Natural Variations™ Light Cherry



plus... capabilities to do more

armstrongceilings.com/capabilities

See more photos at:
armstrongceilings.com/photogallery

These FSC®-certified ceiling panels are available in rich, real wood veneers or economical Wood Looks™ visuals.

KEY SELECTION ATTRIBUTES

- Real wood veneers or Images™ high-quality printed visuals
- Create a continuous ceiling, cloud, or ceiling-to-wall transition
- Acoustical backing improves sound quality
- Shorter lead times and lower costs than custom millwork
- Class A fire performance

Natural Variations™ Finishes

- FSC chain of custody (CoC) certified WoodWorks® products represent responsible production and consumption practices from the forest to the consumer
- 100% Biobased content
- BioAcoustic™ infill panels can enhance acoustics and contribute to LEED® credits

Images™ Finishes

- Larger Vector panel sizes – 24" x 48", 12" x 48", and 30" x 30" for even more design flexibility
- BioAcoustic™ infill panels can enhance acoustics and contribute to LEED® credits

VENEERS

Due to printing limitations, shade may vary from actual product.

Natural Variations (Real Wood Veneers)



Maple (NMP) | Light Cherry (NLC) | Dark Cherry (NDC)



Custom Veneers Available

IMAGES™ FINISHES

(High-Quality Printed Finishes)



Maple (PMP) | Light Cherry (PLC) | Dark Cherry (PDC)

VENEER PERFORATION OPTIONS

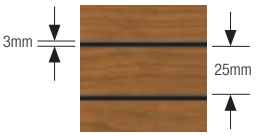
(Actual 1:2 scale shown)



W7 (13mm profile with 3mm groove)



W8 (5mm profile with 3mm groove)



W9 (25mm profile with 3mm groove)

IMAGES PERFORATION OPTIONS

(Actual 1:2 scale shown)



W7 (13mm profile with 3mm groove)



W9 (25mm profile with 3mm groove)

WOODWORKS® Channeled
Vector®

USDA CERTIFIED BIOBASED PRODUCT
PRODUCT 100%

FSC www.fsc.org FSC® C007626 The mark of responsible forestry

*Images™ products are not FSC or Rainforest Alliance Certified

UP TO 92% RECYCLED CONTENT

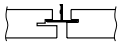
For LEED contribution contact TechLine

LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	FSC (for wood)	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
			✓	✓			✓	✓	✓	✓		✓	✓	✓

▲ LOCATION DEPENDENT

▲ WITH INFILL PANEL

VISUAL SELECTION

Edge Profile	Item No. ◆	Dimensions Nominal W x L x H (Inches) Custom Sizes Available		Perforations	Fire Rating
FSC®-certified WOODWORKS Channeled Vector® Veneers Perforated (with Acoustical Fleece)					
1/4" Reveal with 15/16" Vector 	**5903** _ _ _ _ _	24 x 24 x 3/4"	☐	W7, W8, W9	Class A
WOODWORKS Channeled Vector Images™ Finishes Perforated (with Acoustical Fleece)					
1/4" Reveal with 15/16" Vector 	**6682** _ _ _ _ _	24 x 24 x 11/16"	☐	W7, W9	Class A
	6680 _ _ _ _ _	12 x 48 x 11/16"	▭		
	6684 _ _ _ _ _	24 x 48 x 11/16"	▭		
	6686 _ _ _ _ _	30 x 30 x 11/16"	☐		

◆ When specifying or ordering, include the appropriate 2-letter perforation suffix and the color suffix (e.g., 6682W 7 P M P.)

PERFORMANCE

ACOUSTICAL INFORMATION

Dots represent high level of performance.

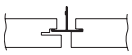
Perforation		NRC panels NRC
W7 	13mm Profile Groove	0.65 0.80† •
W8 	5mm Profile Groove	0.65 0.80† •
W9 	25mm Profile Groove	0.65 0.80† •

† NRC when installed with acoustical infill (item 8200100 or 5479)

EXAMPLE: **6682 W7 PMP**

- 6682: Panel Dimension/Type: 24" x 24" Tegular
- W7: Perforation: W7 13mm
- PMP: Finish: Images Maple

SUSPENSION SYSTEMS

15/16" Vector 

Prelude®

Prelude suspension system is available in many standard colors. All other suspension systems are available in standard White only. Other colors available as special order.

ACCESSORIES

Natural Variations™ and Images™ finishes are designed to coordinate with each other. Trim and infill panels are available. See Pgs. 199-200 in this catalog or visit armstrongceilings.com/woodworks

PHYSICAL DATA

Material
FSC®-certified fire-retardant medium-density fiberboard with face-cut veneers (RA-COC-003601). For more information about FSC®-certified products, or to view our FSC®-certification letter, visit armstrongceilings.com/woodworksfsc

Surface Finish
Clear or tinted semigloss coating

Fire Performance
ASTM E84 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

ASTM E1264 Classification
Composite – Fire Class A

Application Considerations
Variation among panels may occur due to the natural characteristics of the wood and grain.

It is very important that WoodWorks® panels are climatized prior to installation. Relative humidity between 25% and 55%, and temperatures between 50°F and 86°F, must be maintained throughout the life of the product.

Specification Consideration
Attention: For FSC certified wood products to maintain their CoC certification, products must be sold to a CoC-certified distributor or directly to the installing contractor. Failure to do so breaks the CoC.

Seismic Restraint
WoodWorks Channeled wood panels have been engineered, tested, and approved in all seismic areas when installed per Armstrong Ceilings installation instructions.

Warranty
Details at armstrongceilings.com

Panel Weight
2.2 lbs/SF (Bulk packaged)

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Rainforest Alliance Certified™ is a trademark of Rainforest Alliance.
FSC® is a registered trademark of FSC Forest Stewardship Council, A.C., license code FSC-C007626. All other trademarks used herein are the property of AWI Licensing LLC and/or its affiliates
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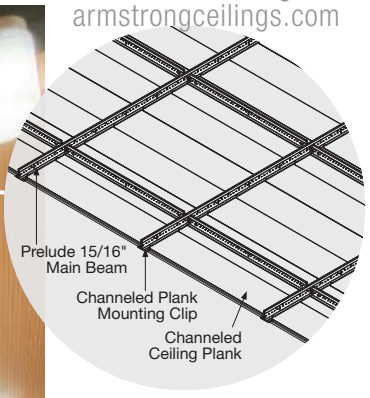
WOODWORKS® Channeled

Planks

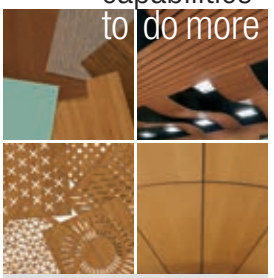


WoodWorks® Channeled plank with W9 perforation in Natural Variations™ Maple

CAD/Revit® drawings at:
armstrongceilings.com



plus...
capabilities
to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

These FSC®-certified ceiling panels are available in rich, real wood veneers or economical Wood Looks visuals.

KEY SELECTION ATTRIBUTES

- Create a continuous ceiling or cloud
- Create a ceiling-to-wall transition
- Real Wood Veneers
- Acoustical backing improves sound quality
- Shorter lead times and lower costs than custom millwork
- Class A fire performance

Natural Variations™ Finishes

- FSC® chain of custody (CoC) certified WoodWorks® products represent responsible production and consumption practices from the forest to the consumer
- 100% Biobased content
- BioAcoustic™ infill panels can enhance acoustics and contribute to LEED® credits

Images™ Finishes

- Larger Tegular and Vector® panel sizes – 24" x 48", 12" x 48", and 30" x 30" for even more design flexibility
- BioAcoustic™ infill panels can enhance acoustics and contribute to LEED® credits

VENEERS

Due to printing limitations, shade may vary from actual product.

Natural Variations (Real Wood Veneers)



Maple (NMP) | Light Cherry (NLC) | Dark Cherry (NDC)



Custom Veneers Available

IMAGES™ FINISHES

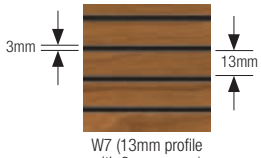
(High Quality Printed Finishes)



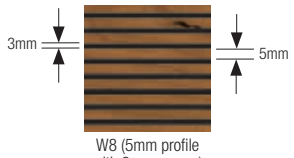
Maple (PMP) | Light Cherry (PLC) | Dark Cherry (PDC)

VENEER PERFORATION OPTIONS

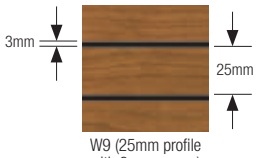
(Actual 1:2 scale shown)



W7 (13mm profile with 3mm groove)



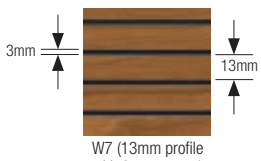
W8 (5mm profile with 3mm groove)



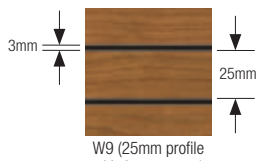
W9 (25mm profile with 3mm groove)

IMAGES PERFORATION OPTIONS

(Actual 1:2 scale shown)



W7 (13mm profile with 3mm groove)



W9 (25mm profile with 3mm groove)

WOODWORKS® Channeled
Planks

USDA CERTIFIED BIOBASED PRODUCT
PRODUCT 100%

FSC www.fsc.org FSC® C007626 The mark of responsible forestry

*Images™ products are not FSC or Rainforest Alliance Certified

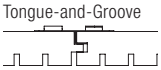
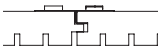
UP TO 92% RECYCLED CONTENT

For LEED contribution contact TechLine

LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	FSC (for wood)	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
			✓	✓			✓	✓	✓	✓		✓		✓

▲ LOCATION DEPENDENT ▲ WITH INFILL PANEL

VISUAL SELECTION

Edge Profile	Item No. ◆	Dimensions Nominal W x L x H (Inches) Custom Sizes Available		Perforations	Fire Rating
FSC®-certified WOODWORKS® Channeled Plank Veneers Perforated (with Acoustical Fleece)					
Tongue-and-Groove 	**5900C** _ _ _ _ _	5.553 x 96 x 3/4"		W7, W8, W9*	Class A
	5901C _ _ _ _ _	5.553 x 120 x 3/4"		W7, W8, W9*	Class A
WOODWORKS® Channeled Plank Images™ Finishes Perforated (with Acoustical Fleece)					
Tongue-and-Groove 	**6688C** _ _ _ _ _	5.553 x 96 x 11/16"		W7, W9*	Class A
	6689C _ _ _ _ _	5.553 x 120 x 11/16"		W7, W9*	Class A

◆ When specifying or ordering, include the appropriate 5-letter perforation and color suffix (e.g., 6688CW 7 N M P.)
* Size width for panels with W9 perforation is 5.393".

PERFORMANCE

ACOUSTICAL INFORMATION

Dots represent high level of performance.

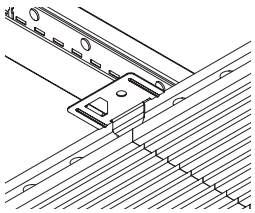
Perforation		NRC planks (NRC)
W7 	13mm Profile Groove	0.50 0.70† •
W8 	5mm Profile Groove	0.75 0.95† •
W9 	25mm Profile Groove	0.50 0.75†

† NRC when installed with acoustical infill (item 8200100 or 5479)

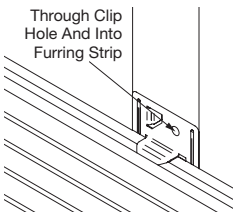
EXAMPLE: **6688C W7 NMP**

- Panel Dimension/Type: 24" x 24" Tegular
- Perforation: W7 13mm
- Finish: Natural Variations™ Maple

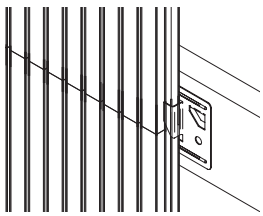
INSTALLATION DETAILS



Ceiling Configuration with Clip 5839



Ceiling Configuration with Clip 5839 using Wall Furring Strips



Wall Configuration with Clip 5839

SUSPENSION SYSTEMS

15/16"



Prelude® XL® (Black recommended)

CEILING PLANK CLIPS

	Item Number	Description	Dimensions	Color	Pcs./Ctn.
	**5389**	Channeled Panel Clip	N/A	N/A	250

ACCESSORIES

Natural Variations™ and Images™ finishes are designed to coordinate with each other. Trim and infill panels are available. See Pgs. 199-200 in this catalog or visit armstrongceilings.com/woodworks

PHYSICAL DATA

Material
FSC®-certified fire-retardant medium-density fiberboard with face-cut veneers (RA-COC-003601). For more information about FSC®-certified products, or to view our FSC®-certification letter, visit armstrongceilings.com/woodworksfsc

Surface Finish
Clear or tinted semigloss coating

Fire Performance
ASTM E84 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

ASTM E1264 Classification
Composite – Fire Class A

Application Considerations
Variation among panels may occur due to the natural characteristics of the wood and grain.

It is very important that WoodWorks® panels are climatized prior to installation. Relative humidity between 25% and 55%, and temperatures between 50˚F and 86˚F, must be maintained throughout the life of the product.

Specification Consideration
Attention: For FSC certified wood products to maintain their CoC certification, products must be sold to a CoC-certified distributor or directly to the installing contractor. Failure to do so breaks the CoC.

Seismic Restraint
WoodWorks Channeled wood planks have been engineered, tested, and approved in all seismic areas when installed per Armstrong Ceilings installation instructions.

Warranty
Details at armstrongceilings.com

Panel Weight
2.2 lbs/SF (Bulk packaged)

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Revit® is a registered trademark of Autodesk, Inc.
Rainforest Alliance Certified™ is a trademark of Rainforest Alliance.
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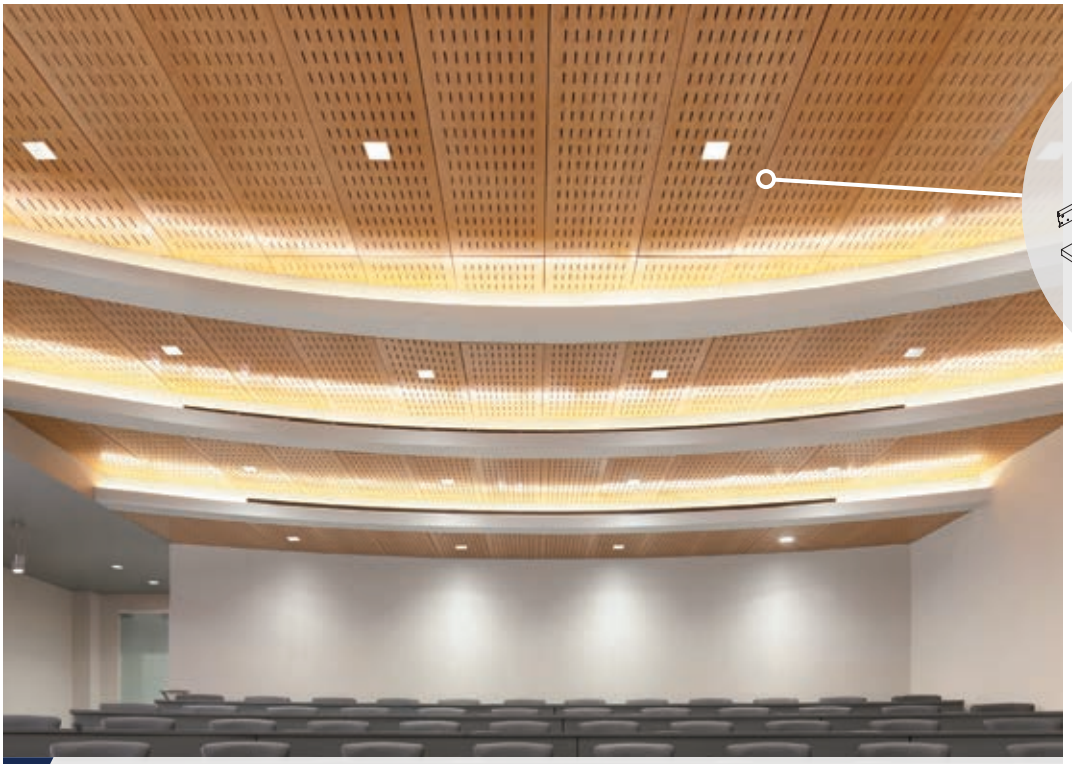
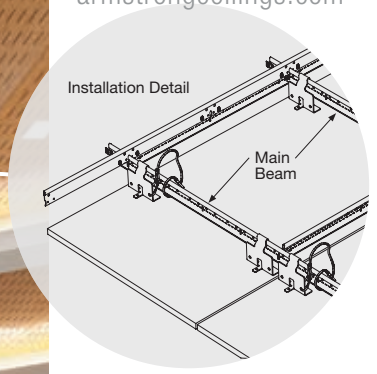
WOODWORKS® Concealed

Concealed Suspension

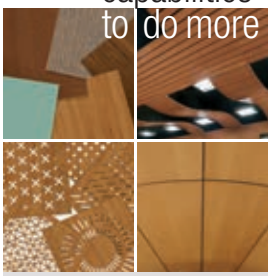


WoodWorks® Concealed 24" x 72" panels with W5 perforation in Bamboo Patina with Prelude® 15/16" suspension system (Pgs. 391-392)

CAD/Revit® drawings at:
armstrongceilings.com



plus...
capabilities
to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

This easy-to-install ceiling with a concealed suspension offers a continuous, monolithic visual.

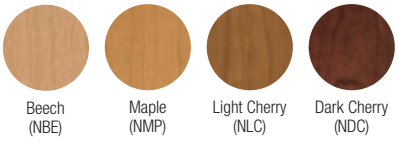
KEY SELECTION ATTRIBUTES

- Mix and match standard panel sizes on the same project
- Narrow 1/4" reveal visual and 6" aluminum trim available in coordinating wood finishes, or black
- Coordinating WoodWorks® walls (see pages 453-454 for wall offering)
- Patented hook-on panels (for standard 15/16" suspension system) provide safe and secure downward accessibility
- Shorter lead times and lower cost than custom millwork
- Factory-edge banded for superior quality
- Complete standard system from one manufacturer (suspension system/ panels/trim)

VENEERS

Due to printing limitations, shade may vary from actual product.

Natural Variations™
(Real Wood Veneers)



Beech (NBE) · Maple (NMP) · Light Cherry (NLC) · Dark Cherry (NDC)



Walnut (NWN) · Oak (NOK) · Walnut Espresso (NWE)

Constants™
(Real Wood Veneers)



Maple (CMA) · Cherry (CCY) · Walnut (CWA) · Redux Wood Wheat (CRW)

Bamboo*



Patina (BAP) · Native (BAN)

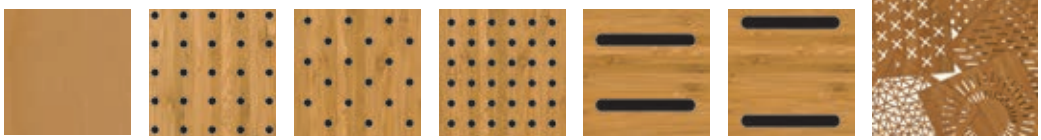


Custom Veneers Available

* Veneer is rapidly renewable. Bamboo is a grass that only requires 3-7 years for maturity and does not have to be replanted after each harvest.

PERFORATION OPTIONS

(Actual 1:6 scale shown)



W1 (Unperforated) · W2 – Rg 6006 (Round Straight) · W3 – Rd 6006 (Round Diagonal) · W4 – Rg 6011 (Round Straight) · W5 – Lg 9512 (Oval Straight Slotted) · W6 – Lg 9508 (Oval Straight Slotted) · Custom Perforations Available

NOTE: Slotted perforations run parallel to the length of the panel. To view more perforation information and build swatches in real time, visit armstrongceilings.com/swatchit

Armstrong® CEILING & WALL SOLUTIONS

WOODWORKS® Concealed

Concealed Suspension

USDA CERTIFIED BIOBASED PRODUCT
PRODUCT 100%

FSC www.fsc.org FSC® C007626 The mark of responsible forestry

UP TO 92% RECYCLED CONTENT

For LEED contribution contact TechLine

LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	FSC (for wood)	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
			✓	✓	✓		✓	✓	✓	✓		✓		

▲ LOCATION DEPENDENT

▲ WITH INFILL PANEL

VISUAL SELECTION

PERFORMANCE

Edge Profile	Item No. ◆	Dimensions Nominal W x L x H (Inches) Custom Sizes Available		Perforations	Fire Rating	Soil
FSC®-certified WOODWORKS® Concealed						
1/4" Reveal	**5983**_ _ _ _ _	24 x 48 x 3/4"	▭	W1, W2, W3, W4, W5, W6	Class A	•
	5984_ _ _ _ _	24 x 72 x 3/4"	▭	W1, W2, W3, W4, W5, W6	Class A	•
	5985_ _ _ _ _	24 x 96 x 3/4"	▭	W1, W2, W3, W4, W5, W6	Class A	•

◆ When specifying or ordering, include the appropriate 2-digit perforation and 3-letter color suffixes. For veneers, sizes, and perforation patterns available as special order, call TechLine at 1 877 276-7876.

ACOUSTICAL INFORMATION

Dots represent high level of performance.

Perforation		NRC**
W1 	Unperforated	N/A
W2 	Round Straight	0.40
W3 	Round Diagonal	0.40
W4 	Round Straight	0.65
W5 	Oval Straight Slotted	0.40
W6 	Oval Straight Slotted	0.40

** Maximum NRC achieved with acoustical infill (item 8200100, 5479, or 5823). When infill is used, CAC is 28.

EXAMPLE: **5983 W2 NLC**

- **5983** — Panel Dimension/Type: 2' x 4' FSC-certified
- **W2** — Perforation: W2 Round Straight Rg 6006
- **NLC** — Finish: Natural Variations Light Cherry

ACCESSORIES

Item No. ◆	Description	Dimensions Nominal (Inches)	Color	Pieces/ Carton
6603W1_ _ _	WoodWorks Concealed Trim*	6" x 120"	Standard Veneers (see below)	6
8200100	Fiberglass Infill Panel	24 x 24 x 1"	Black	12
5479	BioAcoustic™ Infill Panel	24 x 24 x 5/8"	Beige	12
5823	BioAcoustic Infill Panel	24 x 24 x 5/8"	Black (Matte)	12
6408_ _ _	Edge Banding	300" x 3/4"	Standard Veneers (see page 152)	1

◆ When specifying or ordering, include the 3-letter color suffix that coordinates with your WoodWorks ceiling (e.g., 6408 N M P)
* Trim cartons include FXTBC Clips and FX4SPLICE Splice Plates.

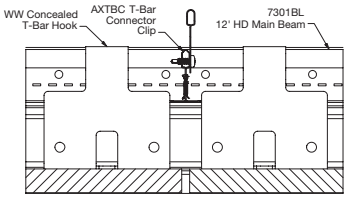
SUSPENSION SYSTEMS

When ordering suspension system materials, please note that this product requires Prelude® Heavy-duty (HD) main beams and 2' cross tees that are full height (1-11/16"). Both suspension system components should be specified in Tech Black (BL).

15/16" Standard: Prelude® BL (Tech Black)

Item Number	Description	Dimensions (Inches)	Pieces/Carton
5986	T-Bar Hook†	Nominal 4 x 2 x 3"	50
7123	Wood Screws	5/8"	300/Pckg
6091	Safety Cable	24" x 3/32"	50
SH12	Support Hanger	144" x 2"	12

† For 24 x 48" panel, install 4 hooks; for 24" x 72" panel, install 6 hooks; for 24" x 96" panel, install 8 hooks.
NOTE: Three screws per hook. Refer to installation instructions at armstrongceilings.com/installation for a better understanding of suspension systems requirements.



Installation Detail – WoodWorks Concealed Ceiling System

PHYSICAL DATA

Material
FSC®-certified fire-retardant particle board with face-cut veneers (RA-COC-003601). For more information about FSC®-certified products, or to view our FSC®-certification letter, visit armstrongceilings.com/woodworksfsc

6603 - Face-cut veneer or black paint on aluminum laminate substrate

Surface Finish
Clear or tinted semigloss coating

Fire Performance
ASTM E84 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

ASTM E1264 Classification
Composite – Fire Class A

Primary (Embodied) Energy
See all LCA information on our EPDs.

Application Considerations
Variation among panels may occur due to the natural characteristics of the wood and grain.

Use of large wood panels may result in deflection up to 1/8" and cause alignment inconsistency due to size and ambient conditions.

It is very important that WoodWorks® panels are climatized prior to installation. Relative humidity between 25% and 55%, and temperatures between 50°F and 86°F, must be maintained throughout the life of the product.

Design Considerations
For additional configuration ideas, refer to the WoodWorks Concealed Technical Guide, BPCS-4274, or visit armstrongceilings.com/woodworks

Do not mix different panel sizes with slotted perforations. Perforation borders will not align. The use of Armstrong® Prelude® 15/16" suspension system is strongly recommended.

Cloud installations less than 6' wide are not recommended.

Specification Consideration
Attention: For FSC®-certified wood products to maintain their CoC certification, products must be sold to a CoC certified distributor, or directly to the installing contractor. Failure to do so breaks the CoC.

Seismic Restraint
WoodWorks Concealed panels have been engineered, tested, and approved for application in all seismic areas when installed per Armstrong Ceilings installation instructions.

Warranty
Details at armstrongceilings.com

Weight/Square Feet
5983, 5984, 5985 - 2.75 lbs/SF; bulk packaged per order. Suspension system, hardware, and accessories ordered separately.

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Revit® is a registered trademark of Autodesk, Inc.
Rainforest Alliance Certified™ is a trademark of Rainforest Alliance.
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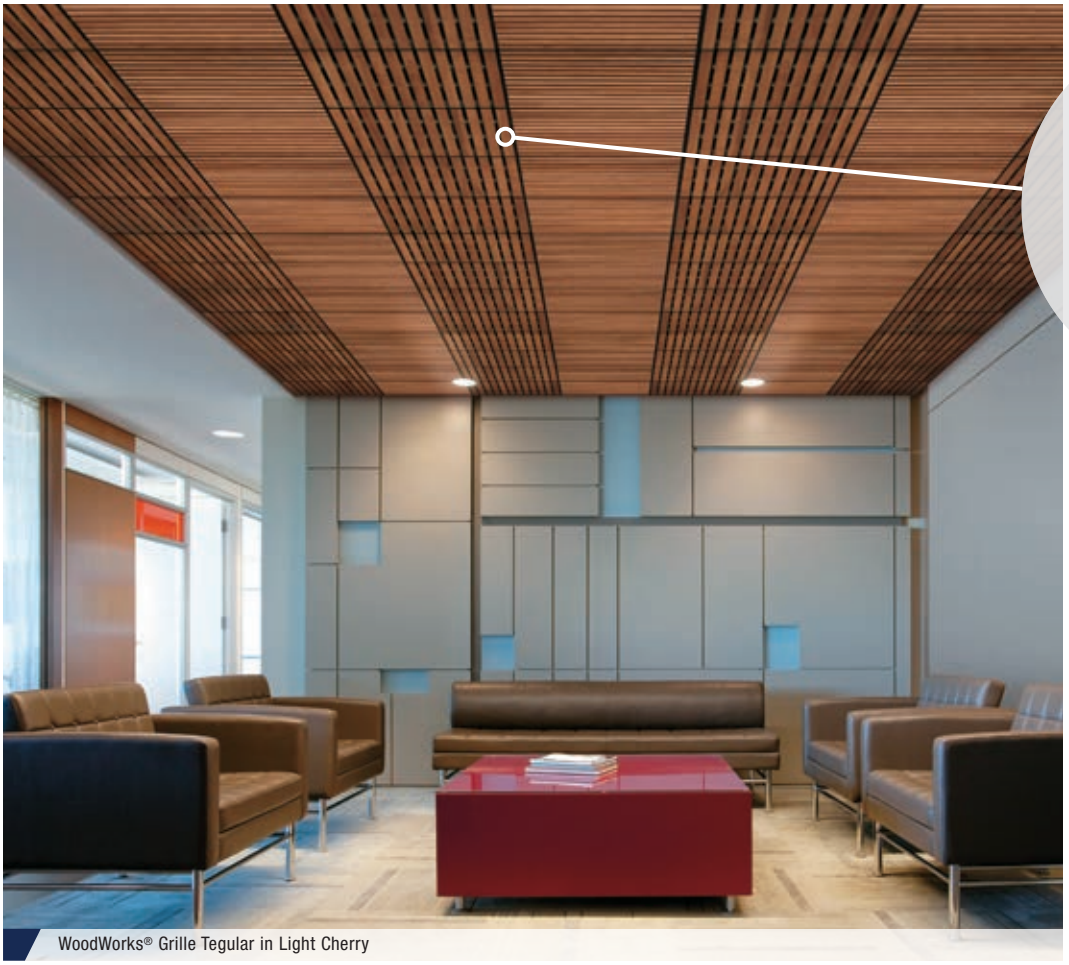
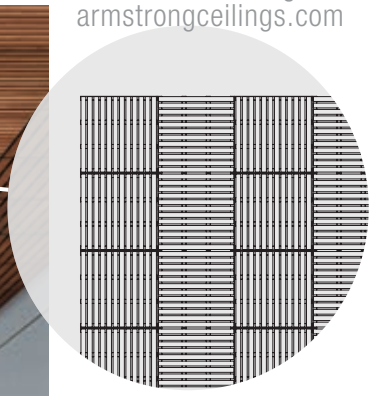
WOODWORKS® Grille
Tegular

TOTAL ACOUSTICS®
Sound Absorption (NRC)
+ Sound Blocking (CAC)

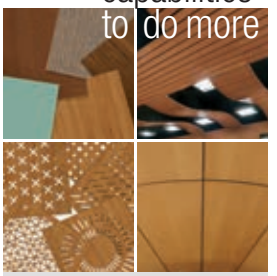
CAD/Revit® drawings at:
armstrongceilings.com



WoodWorks® Grille Tegular in Light Cherry



plus...
capabilities
to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Now get Total Acoustics® performance with WoodWorks® Grille Tegular horizontal slats – excellent noise reduction and sound blocking in one system.

KEY SELECTION ATTRIBUTES

- Get total noise control and design flexibility with Total Acoustics® ceiling panels: NRC + CAC = Total Acoustics® performance
- Painted white finish for even more design flexibility
- Vertical slats are deeper than they are wide creating a more open feel
- Horizontal slats are wider than they are deep creating a warm, more solid look
- 24" x 24" and 24" x 48" sizes available in vertical and horizontal slat designs
- FSC® and Rainforest Alliance® Certification available upon request
- Panels are designed so the suspension system virtually disappears
- Tegular panels with backers easily install on standard suspension system
- Create continuous looks and clouds with Axiom® trim

FINISH SELECTION

Due to printing limitations, shade may vary from actual product.



Grille White (GWH) | Grille Maple (GMP) | Grille Light Cherry (GLC) | Grille Dark Cherry (GDC) | Grille Walnut (GWN) | Custom Finishes Available

TOTAL ACOUSTICS® PANEL INSTALLATION



WoodWorks® Grille ceiling panel with Calla® 2820BK acoustic infill panel for Total Acoustics® performance

WOODWORKS® Grille

Tegular

USDA CERTIFIED BIOBASED PRODUCT
PRODUCT 100%

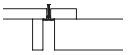
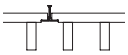
FSC www.fsc.org FSC® C007626
The mark of responsible forestry

LEED®: energy management; construction waste mgmt; regional materials ✓; design for flexibility ✓; EPD; recyclable/ extended producer resp.; biobased materials ✓; FSC (for wood); recycled content; sourcing of raw materials; material ingredient reporting; low emitting/ materials; lighting quality; acoustics ✓

▲ LOCATION DEPENDENT

▲ WITH INFILL PANEL

VISUAL SELECTION

Edge Profile	Item No. ◆	Description	Dimensions Nominal W x L x H (Inches) Custom Sizes Available		Fire Rating
FSC®-certified WOODWORKS® Grille Tegular for 9/16" Suspension System					
9/16" Tegular with Horizontal Slats 	**662808**_ _ _	1/2" x 1-1/2" 12 horizontal slats	24 x 24 x 1"	☐	See physical data below
	663008_ _ _	1/2" x 1-1/2" 12 horizontal slats	24 x 48 x 1"	▭	See physical data below
9/16" Tegular with Vertical Slats 	**662912**_ _ _	1/2" x 1-1/2" 12 vertical slats	24 x 24 x 2"	☐	See physical data below
FSC®-certified WOODWORKS Grille Tegular for 15/16" Suspension System					
15/16" Tegular with Horizontal Slats 	**662812**_ _ _	1/2" x 1-1/2" 10 horizontal slats	24 x 24 x 1"	☐	See physical data below
	663012_ _ _	1/2" x 1-1/2" 10 horizontal slats	24 x 48 x 1"	▭	See physical data below
15/16" Tegular with Vertical Slats 	**663112**_ _ _	1/2" x 1-1/2" 12 vertical slats	24 x 48 x 2"	▭	See physical data below

◆ When specifying or ordering, include the appropriate 3-letter color suffix (e.g., 663008 G L C).
NOTE: For additional color and size options, call TechLine at 1 877 276-7876.

PERFORMANCE

ACOUSTICAL INFORMATION

Dots represent high level of performance.

Performance determined by slat spacing

Item Number	Infill Panel Item Number	NRC	+ CAC	= Total Acoustics[1] NRC + CAC
662808 9/16" Tegular	5823	0.75 •	N/A	–
	1713BL	0.75 •	35 •	**BETTER**
	2820BK	0.85 •	35 •	**BEST**
662812 15/16" Tegular	5823	0.75 •	N/A	–
	1713BL	0.75 •	35 •	**BETTER**
	2820BK	0.85 •	35 •	**BEST**

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+)
BETTER (NRC 0.70-0.75; CAC 35+)
BEST (NRC 0.80+; CAC 35+)
For infill panel information, refer to Pg. 200.

ACCESSORIES

Item No. ◆	Description	Dimensions Nominal W x L x H (Inches)	Color	Pcs./ Ctn.
AX4VESTRBL	4" Axiom® Vector®*	120 x 3/4 x 4"	Black (BL)	–
AX6VESTRBL	6" Axiom Vector*	120 x 3/4 x 6"	Black (BL)	–
AX4VEQSISBL	4" Inside Corner Post	3/4 x 3/4 x 4"	Black (BL)	–
AX6VEQSISBL	6" Inside Corner Post	3/4 x 3/4 x 6"	Black (BL)	–
AX4VEOSCPBL	4" Outside Corner Post	3/4 x 3/4 x 4"	Black (BL)	–
AX6VEOSCPBL	6" Outside Corner Post	3/4 x 3/4 x 6"	Black (BL)	–

* Trim cartons include AXTBC Clips and AXSPLICE Splice Plates.

Item No.	Description	Dimensions Nominal W x L (Inches)	Color	Pcs./ Ctn.
AXTBC	T-Bar Connector Clip	N/A	N/A	10
AXSPLICE	Splice Plate with Setscrews	N/A	N/A	10
SH12	Support Hanger	144" x 2"	N/A	12
5823	BioAcoustic™ Infill Panel	24 x 24 x 5/8"	Black (Matte)	12
1713BL	School Zone® Fine Fissured™ Square Lay-in Acoustic Panel	24 x 24 x 3/4"	Tech Black	14
2820BK	Calla® Square Lay-in Acoustic Panel	24 x 24 x 1"	Black	10

SUSPENSION SYSTEM

15/16"	Prelude® XL® (Black recommended), 360º Painted with 4' cross tee rout holes at 12"
9/16"	Suprafine® XL® 9/16" Exposed Tee (Black recommended)

TRIM AND ACOUSTICAL INFILL PANELS

Trim and infill panels available. See Pgs. 199-200 in this catalog or visit armstrongceilings.com/woodworks

PHYSICAL DATA

Material
Solid Poplar (yellow or hybrid) (RA-COC-003601)

Surface Finish
Clear or tinted semigloss coating on all finishes except Grille White (GWH). Grille White (GWH) has a lacquer finish.

Fire Performance
Solid Poplar Hardwood Slats and Backers – ASTM E84 surface burning characteristics. Flame Spread Index 200 or less. Smoke Developed Index 450 or less.

Composite Grille product testing has not been completed, since results will vary on a project-by-project basis. Contact TechLine at 1 877 276-7876 for details.

WoodWorks® Grille, as with other architectural features located at the ceiling, may obstruct or skew the planned fire sprinkler water distribution pattern, or possibly delay or accelerate the activation of the sprinkler or fire detection systems by channeling heat from a fire either toward or away from the device. Designers and installers are advised to consult a fire protection engineer, NFPA 13, and local codes for guidance where automatic fire detection and suppression systems are present. For more fire performance information, visit armstrongceilings.com/grille

Acoustics Considerations
NRC-tested using white panels. Painted panels may experience a slight reduction in NRC due to color painting processes.

Application Considerations
Variation among panels may occur due to the natural characteristics of the wood and grain.

Design Considerations
If no infill panel is used, unfinished parts of the suspension system and Axiom® trim will be visible from below.

Item 662912 24" x 24" vertical slat panels are designed for checkerboard only. An uneven reveal between slats will be visible, if installed in a linear fashion.

Seismic Restraint
WoodWorks Grille has been engineered, tested, and approved for application in all seismic areas when installed per Armstrong Ceilings installation instructions.

Warranty
Details at armstrongceilings.com

Weight (Bulk packaged)
662808, 662912, 663008, 663112 – 0.875 lbs/SF
662812, 663012 – 0.775 lbs/SF

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Rainforest Alliance Certified™ is a trademark of Rainforest Alliance.
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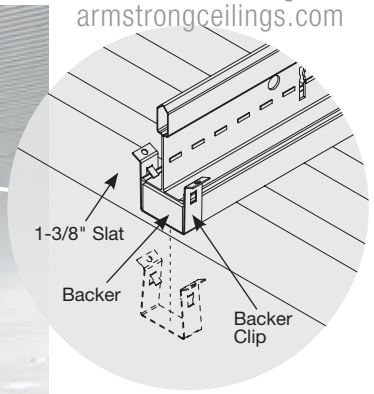
WOODWORKS® Grille

Solid Wood Backer, Dowel, and Backer & Dowel Combination

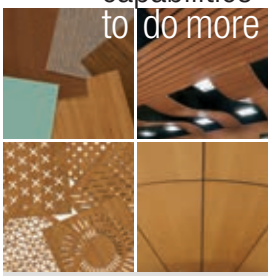


WoodWorks® Custom Installation – Grille Faceted Ceiling 2-1/4" panels in Grille White with Backer

CAD/Revit® drawings at:
armstrongceilings.com



plus...
capabilities
to do more



armstrongceilings.com/capabilities

See more photos at:
armstrongceilings.com/photogallery

These warm, natural wood ceilings offer installation flexibility and a variety of design options.

KEY SELECTION ATTRIBUTES

- 13 pre-designed panels with new slat heights and widths
- Custom slat sizes and finishes available for every project
- Now, painted White finish for maximum design flexibility
- Install in the ceiling, on the wall, or create 90º angled or faceted ceiling-to-wall transitions
- Easy installation with dowel or backer, or backer and dowel combination
- FSC® and Rainforest Alliance Certified wood options available

FINISH SELECTION

Due to printing limitations, shade may vary from actual product.



Grille White (GWH) | Grille Maple (GMP) | Grille Light Cherry (GLC) | Grille Dark Cherry (GDC) | Grille Walnut (GWN) | Custom Finishes Available

WOODWORKS® Grille

Solid Wood Backer, Dowel, and Backer & Dowel Combination

LEED®: energy management; construction waste mgmt; regional materials ✓; design for flexibility ✓; EPD; recyclable/ extended producer resp.; biobased materials ✓; FSC (for wood); recycled content; sourcing of raw materials; material ingredient reporting; low emitting/ materials; lighting quality; acoustics ✓

▲ LOCATION DEPENDENT ▲ WITH INFILL PANEL

VISUAL SELECTION

Edge Profile	Item No. ◆	Slat Width	Slat Height	Slats Per Panel	Slat Spacing (Nominal)	Dimensions (Inches) Nominal W x L x H*
		Custom Slat Sizes Available				Custom Panel Sizes Available
WOODWORKS Grille – Backer, Dowel, and Backer & Dowel Combination						
Backer, Dowel, or Backer & Dowel Combination	**7263**_ _ _ _ _	5/8"	1-3/8"	6 slats	1-3/8"	12 x 96 x 1-7/8" Backer Only 12 x 96 x 1-3/8" Dowel Only
	7264_ _ _ _ _	5/8"	1-3/8"	8 slats	7/8"	12 x 96 x 1-7/8" Backer Only 12 x 96 x 1-3/8" Dowel Only
	7265_ _ _ _ _	5/8"	2-1/4"	6 slats	1-3/8"	12 x 96 x 2-3/4" Backer Only 12 x 96 x 2-1/4" Dowel Only
	7266_ _ _ _ _	5/8"	2-1/4"	8 slats	7/8"	12 x 96 x 2-3/4" Backer Only 12 x 96 x 2-1/4" Dowel Only
	7091 _ _ _ _ _	5/8"	3-1/4"	5 slats	1.75"	12 x 96 x 3-3/4" Backer & Dowel 12 x 96 x 3-1/4" Dowel Only
	7092 _ _ _ _ _	5/8"	3-1/4"	6 slats	1-3/8"	12 x 96 x 3-3/4" Backer & Dowel 12 x 96 x 3-1/4" Dowel Only
	7093 _ _ _ _ _	5/8"	4-1/4"	5 slats	1.75"	12 x 96 x 4-3/4" Backer & Dowel 12 x 96 x 4-1/4" Dowel Only
	7094 _ _ _ _ _	1"	2-1/4"	4 slats	2"	12 x 96 x 2-3/4" Backer Only 12 x 96 x 2-1/4" Dowel Only
	7095 _ _ _ _ _	1"	3-1/4"	4 slats	2"	12 x 96 x 3-3/4" Backer Only 12 x 96 x 3-1/4" Dowel Only
	7096 _ _ _ _ _	1"	4-1/4"	4 slats	2"	12 x 96 x 4-3/4" Backer & Dowel 12 x 96 x 4-1/4" Dowel Only
	7097 _ _ _ _ _	1-1/4"	3-1/4"	3 slats	2-3/4"	12 x 96 x 3-3/4" Backer Only 12 x 96 x 3-1/4" Dowel Only
	7098 _ _ _ _ _	1-1/4"	4-1/4"	3 slats	2-3/4"	12 x 96 x 4-3/4" Backer & Dowel 12 x 96 x 4-1/4" Dowel Only
	7099 _ _ _ _ _	1-1/4"	5-1/4"	3 slats	2-3/4"	12 x 96 x 5-3/4" Backer & Dowel 12 x 96 x 5-1/4" Dowel Only

◆ When specifying or ordering please include the installation type and color suffixes (e.g., 7092 B D G L C – 6 slats 3-1/4" Backer & Dowel in Grille Light Cherry).
Installation suffixes: BO = Backer, DO = Dowel, BD = Backer & Dowel Combination
NOTE: For additional color and size options, or curved applications options with flexible Backers (special order), call TechLine at 1 877 276-7876.

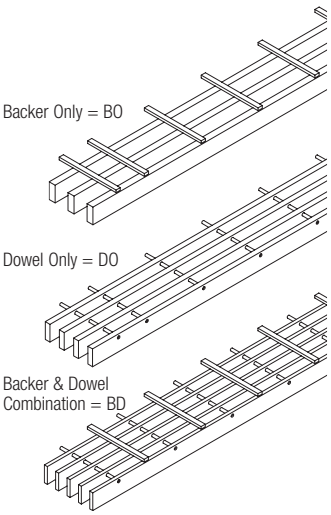
* Actual panel length is 95"

ACOUSTICAL INFORMATION

Dots represent high level of performance.

Infill Panel Item Number	NRC	+ CAC =	Total Acoustics[1] NRC CAC
5823	0.85 ●	28	–
8200100	0.90 ●	28	–

SUFFIX GUIDE



ACCESSORIES

Item No. ◆	Description	Dimensions Nominal W x L (Inches) Custom Sizes Available	Color (Refer to Pg. 185)	Pcs/ Ctn
5672 _ _ _	Junction – 1-3/8"	1-1/2 x 96 x 2"	All finishes	Bulk
5674 _ _ _	End Cap – 1-3/8"	3/4 x 96 x 2"	All finishes	Bulk
5675 _ _ _	End Cap – 2-1/4"	3/4 x 96 x 2-3/4"	All finishes	Bulk
7170 _ _ _	End Cap – 3-1/4"	3/4 x 96 x 3-3/4"	All finishes	Bulk
7171 _ _ _	End Cap – 4-1/4"	3/4 x 96 x 4-3/4"	All finishes	Bulk
7172 _ _ _	End Cap – 5-1/4"	3/4 x 96 x 5-3/4"	All finishes	Bulk
5687	Backer Clip	3/8 x 11/16 x 7/8"	N/A	250 pcs/pail

Item Number ◆	Description	Dimensions Nominal W x L (Inches) Custom Sizes Available	Color (Refer to Pg. 185)	Pcs/ Ctn
5688	Dowel Clip	3/8 x 7/8 x 7/8"	N/A	250 pcs/pail
5671 _ _ _	Ledger	1 x 96 x 1/4"	All finishes	Bulk
7891	12 Gauge Soft Hanger Wire	144" Length	N/A	140
92715A620	Self-tapping Screws	#2 x 3/4" Length	Black	25
6459BL	Uptight Clip	5-1/2 x 1-3/4"	Black	25
RC2BL	RC2 Radius Clip	N/A	Black	205

◆ When specifying or ordering, include the 3-letter color suffix that coordinates with your WoodWorks ceiling: (e.g., 5671 G M P).

SUSPENSION SYSTEMS

15/16"

Heavy Duty Prelude® XL®
(Black recommended)

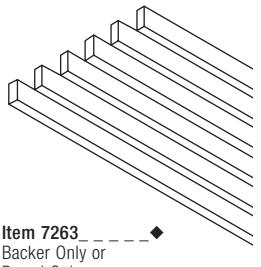
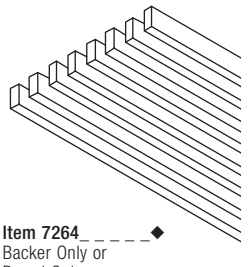
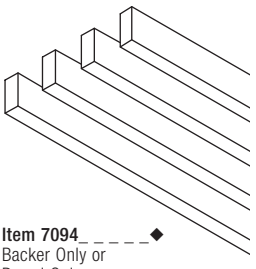
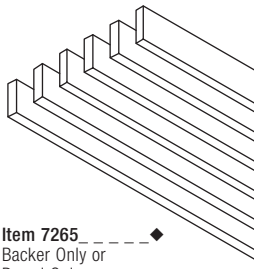
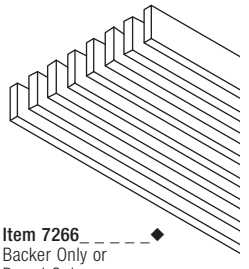
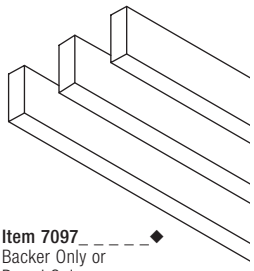
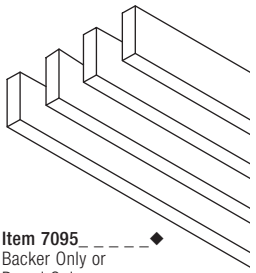
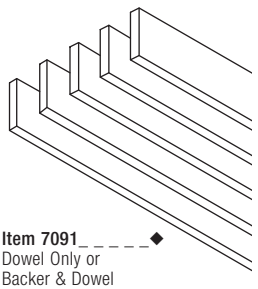
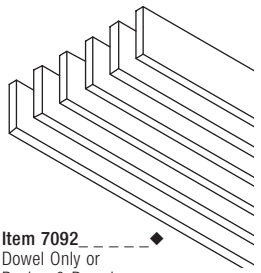
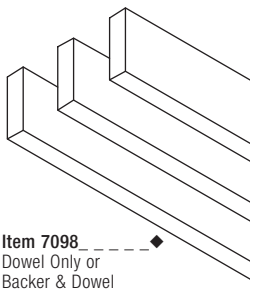
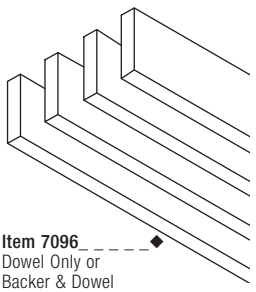
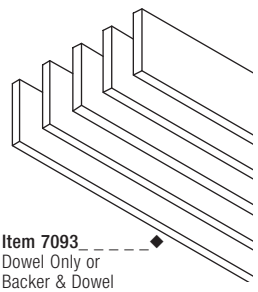
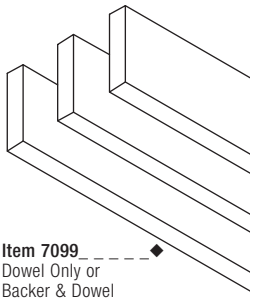
TRIM AND ACOUSTICAL INFILL PANELS

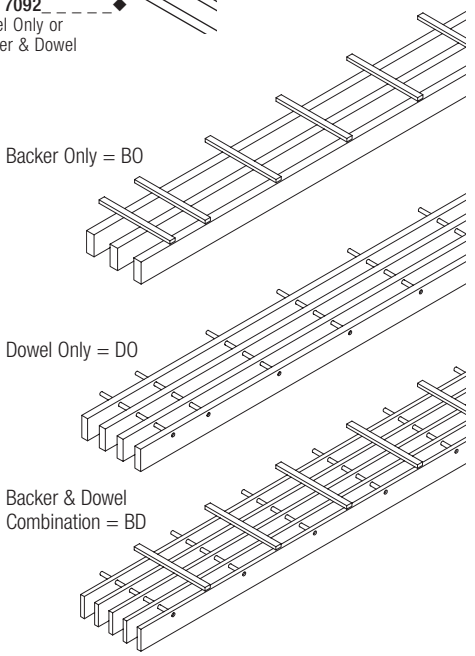
Trim and infill panels available. See pages 199-200 in this catalog or visit armstrongceilings.com/woodworks

WOODWORKS® Grille

Solid Wood Backer, Dowel, and Backer & Dowel Combination

STANDARD SIZES

	1-1/4" SLAT WIDTH	1" SLAT WIDTH	5/8" SLAT WIDTH		
	3 Slats Per Panel	4 Slats Per Panel	5 Slats Per Panel	6 Slats Per Panel	8 Slats Per Panel
1-3/8" SLAT HEIGHT				 **Item 7263**_ _ _ _ _◆ Backer Only or Dowel Only	 **Item 7264**_ _ _ _ _◆ Backer Only or Dowel Only
2-1/4" SLAT HEIGHT		 **Item 7094**_ _ _ _ _◆ Backer Only or Dowel Only		 **Item 7265**_ _ _ _ _◆ Backer Only or Dowel Only	 **Item 7266**_ _ _ _ _◆ Backer Only or Dowel Only
3-1/4" SLAT HEIGHT	 **Item 7097**_ _ _ _ _◆ Backer Only or Dowel Only	 **Item 7095**_ _ _ _ _◆ Backer Only or Dowel Only	 **Item 7091**_ _ _ _ _◆ Dowel Only or Backer & Dowel	 **Item 7092**_ _ _ _ _◆ Dowel Only or Backer & Dowel	
4-1/4" SLAT HEIGHT	 **Item 7098**_ _ _ _ _◆ Dowel Only or Backer & Dowel	 **Item 7096**_ _ _ _ _◆ Dowel Only or Backer & Dowel	 **Item 7093**_ _ _ _ _◆ Dowel Only or Backer & Dowel		
5-1/4" SLAT HEIGHT	 **Item 7099**_ _ _ _ _◆ Dowel Only or Backer & Dowel				

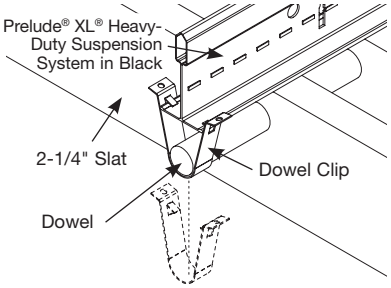


◆ When specifying or ordering please include the installation type and color suffixes (e.g., 7092 B D G L C – 6 slats 3-1/4" Backer & Dowel in Grille Light Cherry).

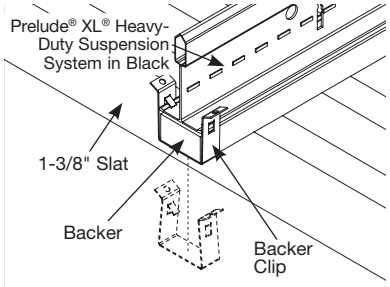
WOODWORKS® Grille

Solid Wood Backer, Dowel, and Backer & Dowel Combination

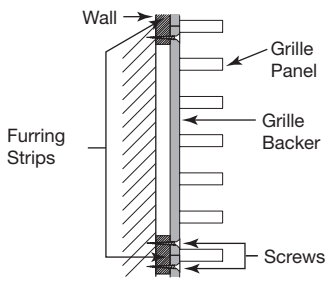
SYSTEM INSTALLATION DETAILS



Ceiling Dowel Assembly

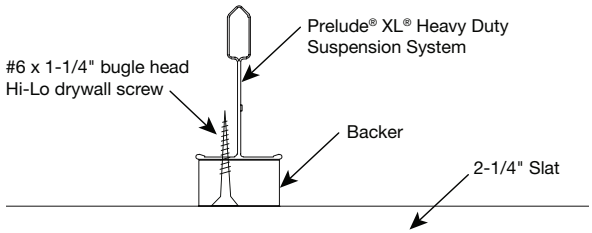


Ceiling Backer Assembly



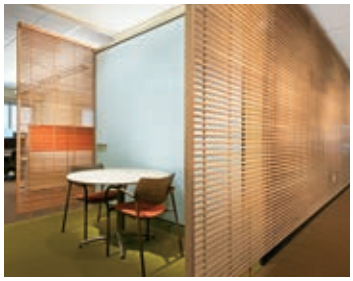
Wall Backer Assembly

Slat sizes over 2-1/4" are not recommended for wall applications. Contact TechLine for details at 1 877 276-7876.



Screw Attachment Detail

NOTE: See Woodworks® Grille installation instructions for details on faceted installation.



ACOUSTICAL PERFORMANCE

Noise Reduction Coefficient, or NRC, is a measure for rating the overall sound absorption of a material when used in an enclosed architectural space such as an office, where sound is reflected at many angles of incidence. WoodWorks® Grille has an NRC value of 0.85 when installed with a BioAcoustic™ infill panel 5823.

NRC is important in any closed space where reverberation time and noise levels are an issue:

- Closed offices, conference rooms
- Mixed plan office
- Lobby, reception, and work areas
- Classrooms/core learning areas, gymnasiums, cafeterias
- Retail spaces; checkout and other customer contact areas

Factors that may affect the installed acoustical performance relative to the published results are:

- Size of area
- Number of panels
- Layout of panels
- Suspension distance below exposed deck or finished ceiling
- Other surfaces in the space

Ceiling	Exposed Structure (no Ceiling)	Ultima® (100% Ceiling)	WoodWorks Grille (100% Ceiling)
Reverberation Time (RT)	3.4 seconds	0.5 seconds	0.5 seconds
RT Improvement	N/A	85%	85%
Background Noise Reduction in Decibels (dB)	N/A	4.7dB	5.8dB

NOTE: You can calculate the acoustical difference that WoodWorks Grille panels can make in your space by using our online Reverb Calculator Tool at armstrongceilings.com/reverbtool

PHYSICAL DATA

Material
Dowel, Slats, Backers, and Tegular panels – solid Poplar (yellow or hybrid).

Surface Finish
Clear or tinted semigloss coating on all finishes except Grille White (GWH). Grille White (GWH) has a lacquer finish.

Fire Performance
Solid Poplar (yellow or hybrid) Hardwood Slats and Backers
Solid Poplar (yellow or hybrid) Hardwood Slats and Backers – Class C ASTM E84 surface burning characteristics. Flame Spread Index 200 or less. Smoke Developed Index 450 or less.

Fire performance will vary between wood species.

Contact TechLine at 1 877 276-7876 for details.

These panels, as with other architectural features located at the ceiling, may obstruct or skew the planned fire sprinkler water distribution pattern, or possibly delay or accelerate the activation of the sprinkler or fire detection systems by channeling heat from a fire either toward or away from the device. Consult a fire protection engineer, NFPA 13, and local codes for guidance where automatic fire detection and suppression systems are present.

Application Considerations
Variation among panels may occur due to the natural characteristics of the wood and grain.

Design Considerations
Custom slat and panel sizes available.

Backer & Dowel
For slat heights over 5", both Dowels and Backers are required for stability. Backer height is 1/2".

Infill Panel Use
If no infill panel is used, unfinished parts of the suspension system and Axiom® trim will be visible from below.

Site Conditions
It is very important that panels are climatized prior to installation. Relative humidity between 25% and 55% and temperatures between 50˚F and 86˚F must be maintained.

Installation Consideration
When junction accessory is not used, the result will be a 1" gap between slat lengths.

Seismic Restraint
WoodWorks® Grille panels have been engineered, tested, and approved for application in all seismic areas when installed per Armstrong Ceilings installation instructions.

Warranty
Details at armstrongceilings.com

Weight
7263 – 2.0 lbs/SF
7264 – 2.6 lbs/SF
7265 – 2.8 lbs/SF
7091 – 3.2 lbs/SF
7093 – 3.0 lbs/SF
7092, 7094, 7097 – 3.4 lbs/SF
7095 – 3.5 lbs/SF
7266, 7096, 7098 – 3.6 lbs/SF
7099 – 4.37 lbs/SF

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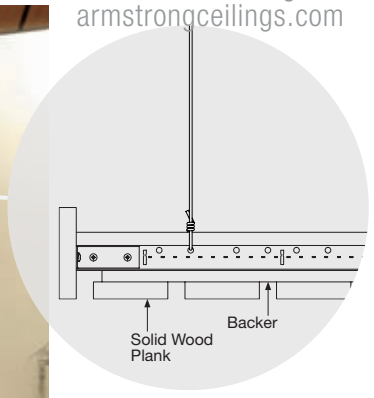
WOODWORKS® Linear

Solid Wood Panels

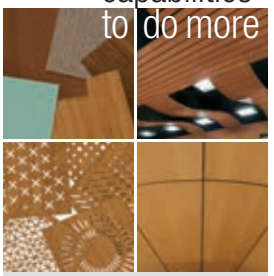


WoodWorks® Linear Solid Wood panels in Grille Dark Cherry on Prelude® XL® 15/16" suspension system (Pgs. 391-392)

CAD/Revit® drawings at:
armstrongceilings.com



plus...
capabilities
to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Traditional or easy-to-install panels offer multiple ways to achieve a linear look.

KEY SELECTION ATTRIBUTES

Solid Wood Panels

- Two plank widths – nominal 3" and nominal 5" – in four rich finishes and white
- Fast, easy installation – screw into suspension system or install with backer clip
- Create continuous looks and clouds with solid wood trim
- Complete standard system from one manufacturer
- BioAcoustic™ infill available for increased acoustical performance
- Acoustical fleece available as an option

FINISH SELECTION

Due to printing limitations, shade may vary from actual product.



Grille White (GWH) | Grille Maple (GMP) | Grille Light Cherry (GLC) | Grille Dark Cherry (GDC) | Grille Walnut (GWN) | Custom Finishes Available

WOODWORKS® Linear

Solid Wood Panels

LEED®: energy management; construction waste mgmt; regional materials ✓; design for flexibility ✓; EPD; recyclable/ extended producer resp.; biobased materials ✓; FSC (for wood) ✓; recycled content; sourcing of raw materials; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

▲ WITH INFILL PANEL

VISUAL SELECTION

PERFORMANCE

Edge Profile	Item No. ◆	Description	Dimensions Nominal W x L x H (Inches) Custom Sizes Available	Fire Rating	Acoustics NRC*
WOODWORKS® Linear Solid Wood Panels					
	**6693W1** _ _ _	Nominal 3" wide planks	12 x 96 x 3/4"	See below	0.60
	**6694W1** _ _ _	Nominal 5" wide planks	12 x 96 x 3/4"	See below	0.50

◆ When specifying or ordering, include the 3-letter color suffix that coordinates with your WoodWorks ceiling: (e.g., 6693W1 G M P)

* NRC achieved with acoustical infill (Item 82001007).

NOTE: For additional color and size options, or acoustical felt available as a custom option, call TechLine at 1 877 ARMSTRONG.

ACCESSORIES

Item No. ◆	Description	Dimensions (Inches) Nominal W x L x H	Color	Pieces/Carton
7146 _ _ _	Solid Wood Trim	4 x 120 x 3/4"	See Finishes Below	Bulk
5687†	Backer Clip	3/8 x 11/16 x 7/8"	N/A	250 pcs/pail
5671 _ _ _	Ledger	1 x 96 x 1/4"	See Finishes Below	Bulk
7891	12 Gauge Soft Hanger Wire	144" Length	N/A	140
92715A620	Self-tapping Screws	#2 x 3/4" Length	Black	25
6657	BioAcoustic™ Infill Panel	11 x 48 x 5/8"	Black (Matte)	10

† Backer clip should only be used when installing panels with 3" wide nominal planks.

SUSPENSION SYSTEMS

15/16"



Prelude® XL®
(Black recommended)

Wood is a natural product and will exhibit natural variations in color, grain, and texture, and knot holes of up to 1/2" in diameter.







ACCESSORIES

Accessories, trim, and infill panels are available. See Pgs. 199-200 in this catalog or visit armstrongceilings.com/woodworks

PHYSICAL DATA

Material
Planks and Backers – solid Poplar (yellow or hybrid)

Surface Finish
Clear or tinted semigloss coating on all finishes except Grille White (GWH). Grille White (GWH) has a lacquer finish.

Fire Performance
Solid Hardwood Planks and Backers – Class C ASTM E84 surface burning characteristics. Flame Spread Index 200 or less. Smoke Developed Index 450 or less. Fire performance will vary between wood species. Contact TechLine at 1 877 276-7876 for details.

WoodWorks® Linear Solid Wood Panels, as with other architectural features located at the ceiling, may obstruct or skew the planned fire sprinkler water distribution pattern, or possibly delay or accelerate the activation of the sprinkler or fire detection systems by channeling heat from a fire either toward or away from the device. Designers and installers are advised to consult a fire protection engineer, NFPA 13, and local codes for guidance where automatic fire detection and suppression systems are present.

Application Considerations
Variation among panels may occur due to the natural characteristics of the wood and grain.

Design Considerations
It is very important that WoodWorks panels are climatized prior to installation. Relative humidity between 25% and 55%, and temperatures between 50˚F and 86˚F, must be maintained.

Installation Consideration
System is designed to have a 1" gap between panels.
Backer clip can only be used for installations of the panel with 3" nominal planks (Item 6693).

Seismic Restraint
WoodWorks Linear solid wood panels have been engineered, tested, and approved for application in all seismic areas when installed per Armstrong Ceilings installation instructions.

Warranty
Details at armstrongceilings.com

Weight
6693 – 1.25 lbs/SF
6694 – 1.25 lbs/SF
(Bulk packaged)

TechLine / 1 877 276-7876
armstrongceilings.com/woodworks
(search: woodworks linear solid wood panels)
BPCS-5107-517

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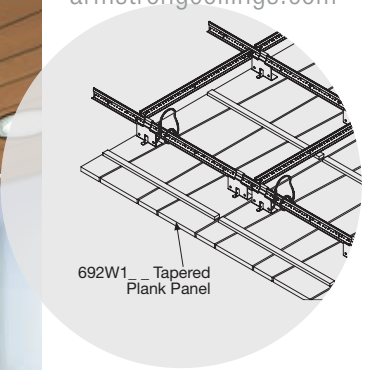
WOODWORKS® Linear
Veneered Panels

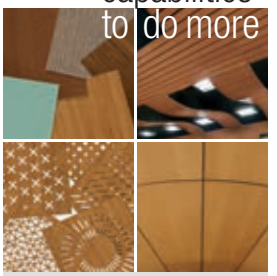


WoodWorks® Linear Veneer panels in tapered visual and Natural Variations™ Light Cherry finish

CAD/Revit® drawings at:
armstrongceilings.com



plus...
capabilities
to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

These unique tapered or traditional wood panels offer a variety of linear looks.

KEY SELECTION ATTRIBUTES

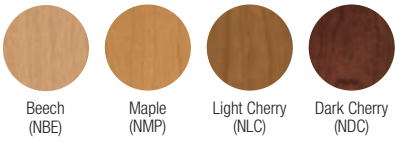
Veneered Panels

- Panels in nominal 4" or 6" widths
- Create continuous looks and clouds with veneer-wrapped and painted aluminum trim
- Hook-on panels (for standard 15/16" suspension system) provide safe and secure downward accessibility
- Complete standard system from one manufacturer (suspension system/ panels/trim)
- Factory-edge banded for superior quality
- 100% Biobased content
- BioAcoustic™ infill available for increased acoustical performance

VENEERS

Due to printing limitations, shade may vary from actual product.

Natural Variations™
(Real Wood Veneers)



Beech (NBE) · Maple (NMP) · Light Cherry (NLC) · Dark Cherry (NDC)



Walnut (NWN) · Oak (NOK) · Walnut Espresso (NWE)

Constants™
(Real Wood Veneers)



Maple (CMA) · Cherry (CCY) · Walnut (CWA) · Redux Wood Wheat (CRW)

Bamboo*



Patina (BAP) · Native (BAN)



Custom Veneers Available

* Veneer is rapidly renewable. Bamboo is a grass that only requires 3-7 years for maturity and does not have to be replanted after each harvest.

WOODWORKS® Linear
Veneered Panels

USDA CERTIFIED BIOBASED PRODUCT
PRODUCT 100%

FSC www.fsc.org FSC® C007626
The mark of responsible forestry

UP TO 92% RECYCLED CONTENT

For LEED contribution contact TechLine

LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	FSC (for wood)	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
			✓	✓			✓	✓						

▲ LOCATION DEPENDENT

▲ WITH INFILL PANEL

VISUAL SELECTION

PERFORMANCE

Edge Profile	Item No. ◆	Description	Dimensions Nominal W x L x H (Inches) Custom Sizes Available	Fire Rating	Acoustics NRC*
FSC®-certified WOODWORKS® Linear Veneered Panels					
3/4" Reveal	**6690W1** _ _ _	Nominal 4" wide planks	24 x 96 x 3/4"	Class A	0.45
1/4" Reveal	**6691W1** _ _ _	Nominal 6" wide planks	24 x 96 x 3/4"	Class A	0.20
1/4" Reveal	**6692W1** _ _ _	Tapered planks	24 x 96 x 3/4"	Class A	0.20

◆ When specifying or ordering, include the appropriate 3-letter color suffixes.
NOTE: Veneers and sizes available as special order; call TechLine at 1 877 276-7876.

* NRC achieved with BioAcoustic™ infill (item 6657).

EXAMPLE: **6690W1 NLC**

- **6690W1**: Panel Dimension/Type: 2' x 8' Nominal 4" wide planks
- **NLC**: Finish: Natural Variations™ Light Cherry

ACCESSORIES

Item No. ◆	Description	Dimensions Nominal (Inches)	Color	Pieces/ Carton
6603W1_ _ _	WoodWorks Concealed Trim**	6" x 120"	Standard Veneers and Black (BL)	6
8200100	Fiberglass Infill Panel	24 x 24 x 1"	Black	12
5479	BioAcoustic™ Infill Panel	24 x 24 x 5/8"	Beige	12
5823	BioAcoustic Infill Panel	24 x 24 x 5/8"	Black (Matte)	12
6408_ _ _	Edge Banding	300" x 3/4"	Standard Veneers (see page 177)	1

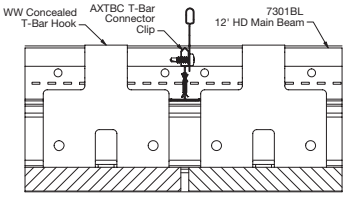
◆ When specifying or ordering, include the 3-letter color suffix that coordinates with your WoodWorks ceiling (e.g., 6408 N M P)
** Trim cartons include FXTBC Clips and FX4SPLICE Splice Plates.

SUSPENSION SYSTEMS

When ordering suspension system materials, please note that this product requires Prelude® 15/16" Heavy-duty (HD) main beams and 2' cross tees that are full height (1-11/16"). Both suspension system components should be specified in Tech Black (BL).

Item Number	Description	Dimensions (Inches)	Pieces/Carton
5986	T-Bar Hook†	Nominal 4 x 2 x 3"	50
7123	Wood Screws	5/8"	300/Pkg
6091	Safety Cable	24" x 3/32"	50
SH12	Support Hanger	144" x 2"	12

† For 24" x 96" panel, install eight hooks. NOTE: three screws per hook.
NOTE: Refer to installation instructions at armstrongceilings.com/installation for a better understanding of suspension system requirements.



Installation Detail

PHYSICAL DATA

Material
FSC®-certified fire-retardant particle board with face-cut veneers (RA-COC-003601). For more information about FSC®-certified products, or to view our FSC®-certification letter, visit armstrongceilings.com/woodworksfsc

Surface Finish
Clear or tinted semigloss coating

Fire Performance
ASTM E84 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

ASTM E1264 Classification
Composite – Fire Class A

Application Considerations
Variation among panels may occur due to the natural characteristics of the wood and grain.

Use of large wood panels may result in deflection up to 1/8" and cause alignment inconsistency due to size and ambient conditions.

It is very important that WoodWorks® panels are climatized prior to installation. Relative humidity between 25% and 55%, and temperatures between 50°F and 86°F, must be maintained throughout the life of the product.

Design Considerations
Cloud installations with total panel width less than 6' wide are not recommended.

Cloud installations with total panel length less than 16' wide cannot be done.

Specification Consideration
Attention: For FSC®-certified wood products to maintain their CoC certification, products must be sold to a CoC-certified distributor or directly to the installing contractor. Failure to do so breaks the CoC.

Seismic Restraint
WoodWorks® Linear panels have been engineered, tested, and approved for application in all seismic areas when installed per Armstrong Ceilings installation instructions.

Warranty
Details at armstrongceilings.com

Weight
6690, 6691, 6692 – 2.75 lbs/SF; bulk-packaged per order. Suspension system, hardware, and accessories ordered separately.

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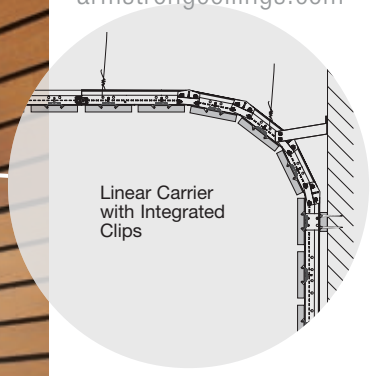
WOODWORKS® Linear

Veneered Planks



WoodWorks® Linear planks 96" x 3-3/4" in Natural Variations™ Light Cherry; Ceiling-to-Wall Faceted Transition

CAD/Revit® drawings at:
armstrongceilings.com



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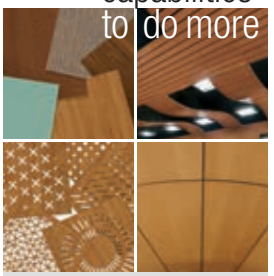
capabilities
to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Standard, easy-to-install wood veneer planks offer a variety of installation options.

KEY SELECTION ATTRIBUTES

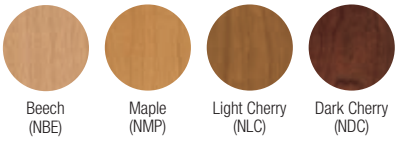
Lineared Planks

- Standard wood planks in two widths; nominal 4-1/2" and 6" modules, with traditional 3/4" reveals
- Standard factory-applied acoustic fleece
- Installation system allows for installation on the ceiling, wall, at 90º angle, or in a curved ceiling-to-wall transitions (one-foot minimum radius)
- Create upturns for continuous visuals and clouds with veneer-wrapped WoodWorks® Trim
- Suspension system and planks from one manufacturer; improved for 30-50% faster installation
- 100% Biobased content

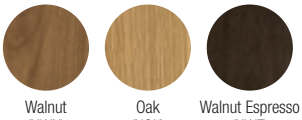
VENEERS

Due to printing limitations, shade may vary from actual product.

Natural Variations™
(Real Wood Veneers)



Beech (NBE) · Maple (NMP) · Light Cherry (NLC) · Dark Cherry (NDC)



Walnut (NWN) · Oak (NOK) · Walnut Espresso (NWE)

Constants™
(Real Wood Veneers)



Maple (CMA) · Cherry (CCY) · Walnut (CWA) · Redux Wood Wheat (CRW)

Bamboo*



Patina (BAP) · Native (BAN)



Custom Veneers Available

* Veneer is rapidly renewable. Bamboo is a grass that only requires 3-7 years for maturity and does not have to be replanted after each harvest.

WOODWORKS® Linear

Veneered Planks

USDA CERTIFIED BIOBASED PRODUCT
PRODUCT 100%

FSC www.fsc.org FSC® C007626
The mark of responsible forestry

UP TO 92% RECYCLED CONTENT

For LEED contribution contact TechLine

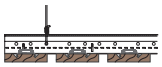
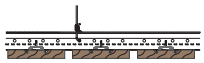
LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	FSC (for wood)	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
			✔				✔	✔						

▲ LOCATION DEPENDENT

▲ WITH INFILL PANEL

VISUAL SELECTION

PERFORMANCE

Edge Profile	Item No. ◆	Dimensions Nominal W x L x H (Inches) Custom Sizes Available	Fire Rating	Acoustics NRC**
WOODWORKS® Linear – Nominal 4-1/2" Module				
	**6440W1**_ _ _	96 x 3-3/4 x 3/4" with 3/4" reveal	Class A	0.45 0.60**
	6640W1_ _ _ (FSC®-certified)	96 x 3-3/4 x 3/4" with 3/4" reveal	Class A	0.45 0.60**
WOODWORKS Linear – Nominal 6" Module				
	**6460W1** _ _ _	96 x 5-1/4 x 3/4" with 3/4" reveal	Class A	0.40 0.50**
	6660W1 _ _ _ (FSC®-certified)	96 x 5-1/4 x 3/4" with 3/4" reveal	Class A	0.40 0.50**

◆ When specifying or ordering, include the appropriate 3-letter color suffix (e.g., 6440W1 N M P)

** Adding acoustical infill (item 8200100, 5479, or 5823) for 4-1/2" module increases the NRC to 0.60. Adding acoustical fiberglass infill for 6" module increases the NRC to 0.45; adding BioAcoustic™ infill 5479 increases NRC to 0.50. For additional infill options, refer to the Acoustical Infill Panels catalog page 200.

ACCESSORIES

For additional accessory items see pages 183-184.

Item No.	Description	Dimensions Nominal (Inches)	Pieces/Carton
5843	Linear Wood Panel Splice	—	100
5948	Linear and Channeled Trim Connector Clip	N/A	30
RC2BL	Radius Clip for faceted grid applications (Black)	—	205 pcs/bucket
6459BL	Rigid Attachment Clip (Black)	5-1/2" x 1-3/4"	25
92715A620	Self-tapping Screws (Black)	#2 x 3/4" Length	25

TRIM AND ACOUSTICAL INFILL PANELS

Trim and infill panels are available.
See Pgs. 199-200 in this catalog or
visit armstrongceilings.com/woodworks

SUSPENSION SYSTEM

Item Number	Description	Dimensions (Inches)	Pieces/Carton
5370	12' HD Linear Carriers (concealed) with integral clips (factory-applied) for nominal 4-1/2" modules	144 x 15/16 x 1-11/16"	10 (Approx. 240 SF/ctn installed with planks)
5371	12' HD Linear Carriers (concealed) with integral clips (factory-applied) for nominal 6" modules	144 x 15/16 x 1-11/16"	10 (Approx. 240 SF/ctn installed with planks)

NOTE: For radiused applications, use standard panels and HD linear carriers faceted 12" on center with RC2BL clips.

PHYSICAL DATA

Material
Fire-retardant particle board with face-cut veneers. FSC®-certified fire-retardant particle board with face-cut veneers (RA-COC-003601). For more information about FSC®-certified products or to view our FSC®-certification letter, visit armstrongceilings.com/woodworksfsc

Factory-applied black fleece on each plank to cover the reveal.

Surface Finish
Clear or tinted semigloss coating

Fire Performance
ASTM E84 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

Linear wood, as with other architectural features located at the ceiling, may obstruct or skew the planned fire sprinkler water distribution pattern, or possibly delay or accelerate the activation of the sprinkler or fire detection systems by channeling heat from a fire either toward or away from the device. Designers and installers are advised to consult a fire protection engineer, NFPA 13, and local codes for guidance where automatic fire detection and suppression systems are present.

ASTM E1264 Classification
Composite – Fire Class A

Application Considerations
Variation among panels may occur due to the natural characteristics of the wood and grain.

It is very important that WoodWorks® planks are climatized prior to installation. Relative humidity between 25% and 55%, and temperatures between 50°F and 86°F, must be maintained.

Specification Consideration
Attention: For FSC-certified wood products to maintain their CoC certification, products must be sold to a CoC certified distributor or directly to the installing contractor. Failure to do so breaks the CoC.

Installation Considerations
Installation can use staggered, random joints for a monolithic appearance or consistent lengths for a modular style. For expansion, a 3/4" gap is recommended at every 24-foot run of plank. See installation instructions BPLA-297443 at armstrongceilings.com/installation.

Seismic Restraint
WoodWorks Linear planks have been engineered, tested, and approved for application in all seismic areas when installed per Armstrong Ceilings installation instructions.

Warranty
Warranty details at armstrongceilings.com

Weight
6440, 6640 – 2.88 lbs/SF
6460, 6660 – 2.89 lbs/SF
(Bulk packaged)

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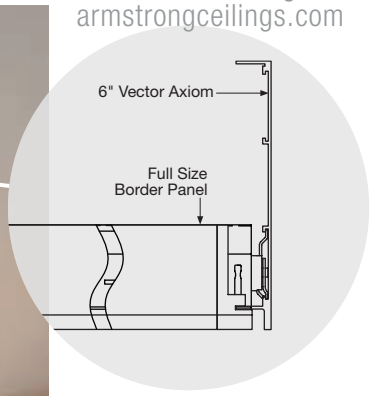
WOODWORKS® Open Cell

Vector®

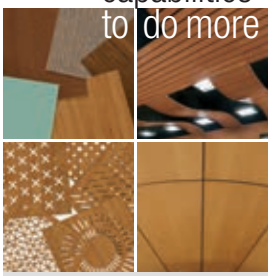


WoodWorks® Open Cell Vector® Four Square 24" x 24" panels in Grille Maple with Axiom® Vector® trim in Pewter Luster on Prelude® 15/16" suspension system in Pewter Luster (Pgs. 391-392)

CAD/Revit® drawings at:
armstrongceilings.com



plus...
capabilities
to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

A decorative, solid wood ceiling that is 100% accessible

KEY SELECTION ATTRIBUTES

- Enhance space volume with open structure design
- Choose from a variety of standard designs and finishes
- Mix panel sizes for a variety of looks
- Vector edge detail provides safe and secure downward accessibility without tools and narrow reveal visual (1/4")
- Suspension system, trim, and accessories designed and tested to work with WoodWorks® Open Cell panels
- BioAcoustic™ infill panel can be used to enhance acoustics

FINISHES

Due to printing limitations, shade may vary from actual product.


Grille Maple (GMP)

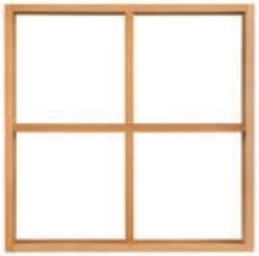

Grille Light Cherry (GLC)

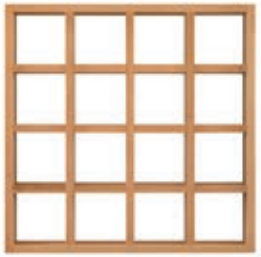

Grille Dark Cherry (GDC)


Grille Walnut (GWN)


Custom Finishes Available

PANEL SELECTION


Item 6622 – Four Square
Available 24" x 24" and 24" x 48"


Item 6623 – Multi-Square
Available 24" x 24" and 24" x 48"


Item 6624 – Linear
Available 24" x 24" only

WOODWORKS® Open Cell
Vector®

USDA CERTIFIED BIOBASED PRODUCT
PRODUCT 100%

FSC www.fsc.org FSC® C007626
The mark of responsible forestry

For LEED contribution contact TechLine

LEED® | energy management | construction waste mgmt | regional materials | design for flexibility | EPD | recyclable/ extended producer resp. | biobased materials | FSC (for wood) | recycled content | sourcing of raw materials | material ingredient reporting | low emitting/ materials | lighting quality | acoustics

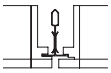
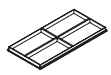
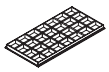
LOCATION DEPENDENT

WITH INFILL PANEL

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Edge Profile	Item No. ◆	Description	Dimensions Nominal W x L x H (Inches) Custom Sizes Available		Fire Rating	Acoustics NRC
FSC® certified WOODWORKS® Open Cell Vector®						
1/4" Reveal with 15/16" Vector 	**6622**_ _ _	Four Square with 12" Cells	24 x 24 x 2-1/4"		See below	0.75 •
	6623_ _ _	Multi-Square with 6" Cells	24 x 24 x 2-1/4"		See below	0.75 •
	6624_ _ _	Linear with 6" Cells	24 x 24 x 2-1/4"		See below	0.75 •
	6625_ _ _	Four Square with 12" Cells	24 x 48 x 2-1/4"		See below	0.75 •
	6626_ _ _	Multi-Square with 6" Cells	24 x 48 x 2-1/4"		See below	0.75 •

◆ When specifying or ordering, include the appropriate 3-letter color suffix (e.g., 6622 G M P).
NOTE: For additional color and size options available as special order, call TechLine at 1 877 276-7876.

ACCESSORIES

For additional accessory items, see pages 199-200.

Item No.	Description	Dimensions Nominal W x L x H (Inches) Custom Sizes Available	Color	Acoustics NRC	Pieces/ Carton
5823	BioAcoustic™ Infill Panel	24 x 24 x 5/8"	Black (Matte)	0.75†	12

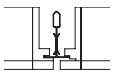
† Please note that NRC value for item 5823 is stated for infill-to-infill comparison. Actual NRC value will vary based on panel and perforation selection.

ACCESSORIES

Accessories, trim, and infill panels are available. See Pgs. 199-200 in this catalog or visit armstrongceilings.com/woodworks

SUSPENSION SYSTEM

15/16"



Prelude® XL®

PHYSICAL DATA

Material
FSC®-certified solid Poplar (yellow or hybrid) (RA-COC-003601)

Surface Finish
Clear or tinted semigloss coating

Fire Performance
Solid Poplar Hardwood – Class C ASTM E84 surface burning characteristics. Flame Spread Index 200 or less. Smoke Developed Index 450 or less.

WoodWorks® Open Cell panels, as with other architectural features located at the ceiling, may obstruct or skew the planned fire sprinkler water distribution pattern, or possibly delay or accelerate the activation of the sprinkler or fire detection systems by channeling heat from a fire either toward or away from the device.

Designers and installers are advised to consult a fire-protection engineer, NFPA 13, and local codes for guidance where automatic fire detection and suppression systems are present. For more information, visit armstrongceilings.com/woodworks

Application Considerations
Variation among panels may occur due to the natural characteristics of the wood and grain.

Design Considerations
It is very important that WoodWorks panels are climatized prior to installation. Relative humidity between 25% and 55%, and temperatures between 50°F and 86°F, must be maintained. Exposed, unpainted back of Axiom® trim may be visible when using higher trims on full-size panel installation only.

Installation Consideration
Do not cut panels.

Seismic Restraint
WoodWorks Open Cell panels have been engineered, tested, and approved for application in all seismic areas when installed per Armstrong Ceilings installation instructions.

Warranty
Details at armstrongceilings.com

Weight
6623, 6626 – 1.0 lbs/SF
6624 – 0.625 lbs/SF
6622, 6625 – 0.5 lbs/SF
Bulk Packaged

TechLine / 1 877 276-7876
armstrongceilings.com/woodworks
(search: woodworks open cell)
BPCS-5108-517

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UP TO 92% RECYCLED CONTENT

For LEED contribution contact TechLine

LEED®: energy management; construction waste mgmt; regional materials ✓; design for flexibility; EPD; recyclable/ extended producer resp.; biobased materials; FSC (for wood); recycled content ✓; sourcing of raw materials; material ingredient reporting; low emitting/ materials; lighting quality ✓; acoustics

▲ LOCATION DEPENDENT

▲ WITH INFILL PANEL

WOODWORKS® Family Trim and Accessories

WOODWORKS™ VENEER TRIM

Item No. ◆	Description	Dimensions Nominal W x L x H (Inches) Custom Sizes Available	Color	Pcs/ Ctn.
6603W1_ _ _**	WoodWorks™ Concealed Trim (aluminum)	6" x 120"	See below	6
5415W1_ _ _	4" WoodWorks Trim (with FSC®-certified wood substrate)	4 x 96 x 3/4"	See below	6
5419W1_ _ _	6" WoodWorks Trim (with FSC-certified wood substrate)	6 x 96 x 3/4"	See below	4
5659W1_ _ _**	4" WoodWorks Trim (with aluminum substrate)	4" x 120"	See below	6
5660W1_ _ _**	6" Woodworks Trim (with aluminum substrate)	6" x 120"	See below	6
6408_ _ _*	3/4" Edge Banding	3/4" x 300"	See below	1

◆ When specifying or ordering, include the 3-letter color suffix that coordinates with your WoodWorks ceiling (e.g., 6603W1N M P.)

* Images™ edge banding coordinates with Natural Variations™ Light Cherry, Dark Cherry, and Maple. Use the Natural Variations colors when ordering.

** FXTBC, FXPSPLICE, FX4SPLICE, included.

AXIOM® TRIM

Color options see page 414. Trim cartons include AXTBC Clips and AXSPLICE Plates.

Item No. ◆◆	Description	Dimensions Nominal W x L x H (Inches) Custom Sizes Available	Pcs/ Ctn.
AX4VESTR _ _	4" Axiom® Vector®	120 x 3/4 x 4"	–
AX6VESTR _ _	6" Axiom Vector	120 x 3/4 x 6"	–
AX4VEQSIS _ _	4" Inside Corner Post	3/4 x 3/4 x 4"	–
AX6VEQSIS _ _	6" Inside Corner Post	3/4 x 3/4 x 6"	–
AX4VEOSCP _ _	4" Outside Corner Post	3/4 x 3/4 x 4"	–
AX6VEOSCP _ _	6" Outside Corner Post	3/4 x 3/4 x 6"	–
AXTBC	T-Bar Connector Clip	–	10
new **7239*****	Adjustable Trim Clip	–	50
AXSPLICE	Splice Plate with Setscrews	–	10

◆◆ When specifying or ordering, include the appropriate 2-letter color sufffix.

*** Specifiy with WoodWorks™ aluminum substrate trim to be used with panels or planks that drop greater than 3/8" below the grid flange, such as Channeled, Linear, or Grille products.

WOODWORKS™ VENEER TRIM FINISH SELECTION

Due to printing limitations, shade may vary from actual product.

Natural Variations™ (Real Wood Veneers)



Beech (NBE) | Maple (NMP) | Light Cherry (NLC) | Dark Cherry (NDC) | Walnut (NWN) | Oak (NOK) | Walnut Espresso (NWE)

Constants™ (Real Wood Veneers)



Maple (CMA) | Cherry (CCY) | Walnut (CWA) | Redux Wood Wheat (CRW)

Bamboo***



Patina (BAP) | Native (BAN)

*** Veneer is rapidly renewable. Bamboo is a grass that only requires 3-7 years for maturity and does not have to be replanted after each harvest.

ACCESSORIES FOR VECTOR INSTALLATIONS

Item No.	Description
442	Hold Down Clip
7425	24" Stabilizer Bar
7445	48" Stabilizer Bar

Border Clip safety clip, and hold down clip (included in carton for 24" x 24" panels; shipped separately for 12" x 48" and 24" x 48")

SOLID WOOD TRIM FINISHES

Due to printing limitations, shade may vary from actual product.



Grille White (GWH) | Grille Maple (GMP) | Grille Light Cherry (GLC) | Grille Dark Cherry (GDC) | Grille Walnut (GWN)

SOLID WOOD TRIM

Item No. ◆	Description	Dimensions Nominal W x L x H (Inches) Custom Sizes Available	Color	Pcs/ Ctn.
7146 _ _ _	Solid Wood Trim	4 x 120 x 3/4"	See left	Bulk



WOODWORKS® Family Trim and Accessories

UP TO **92%** RECYCLED CONTENT

For LEED contribution contact TechLine

LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	FSC (for wood)	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
		✓	✓						✓					

▲ LOCATION DEPENDENT

▲ WITH INFILL PANEL

INSTALLATION ACCESSORIES

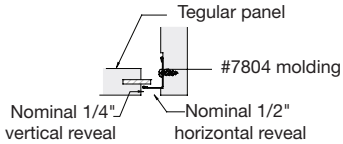
Item Number	Description	Dimensions W x L x H (Inches)	Color	Pcs/Ctn
7805BL**	10' Angle Molding	1-1/2 x 120 x 1-1/2"	Tech Black	30
7823BL**	10' Shadow Molding	2 x 120 x 1-1/4 x 3/4"	Tech Black	10
7804BL	Angle Molding (recommended with wood trims)	7/8 x 144 x 9/16"	Black	2
FXTBC	T-Bar Connector Clip	–	–	10
FXVTBC	Vector® T-Bar Connector Clip	–	–	10
FXSPLICE	Splice Plate with Setscrews	–	–	10
FX4SPLICE	Splice Plate with Setscrews	–	–	10
6459BL	Rigid Attachment Clip	5-1/2" x 1-3/4"	Black	25
6091	Safety Cable	–	–	50

** This color is a special order item with these moldings.

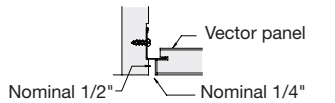
Item Number	Description	Dimensions (Inches)	Color	Pieces/Carton
7891	12-Gauge Hanger Wire	144" Length	–	–
92715A620	Self-tapping Screw	#2 x 3/4" Length	Black	25
SH12	Support Hanger	144" x 24"	N/A	12
UHDC	Universal Hold-Down Clip	–	–	100
FZUHDC	FastShip Universal Hold-Down Clip	–	–	50
CHDC	Clear Hold-Down Clip	–	–	50
414	Retention Clip	–	–	100
FZ414	FastShip Retention Clip	–	–	50
442	Vector Hold-Down Clip	144" x 24"	N/A	12

WOODWORKS™ TRIM (WOOD SUBSTRATE) INSTALLATION

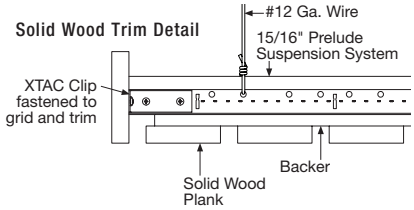
Trim with Tegular Panel



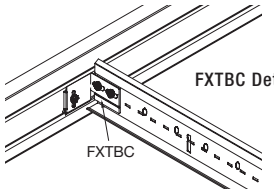
Trim with Vector® Panel

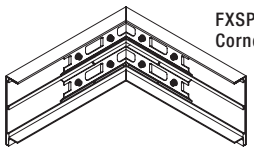


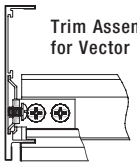
Solid Wood Trim Detail

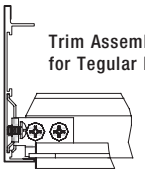


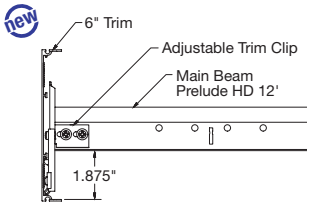
WOODWORKS TRIM (ALUMINUM SUBSTRATE) INSTALLATION



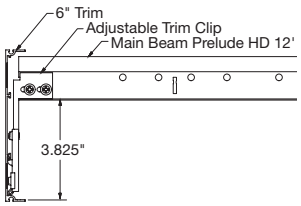








Adjustable Trim Clip (7239) in standard position

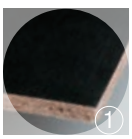


Adjustable Trim Clip (7239) in inverted position

INFILL PANELS

Item Number	Description	Dimensions (Inches)	NRC	CAC	Colors	Pieces/Carton
5479	BioAcoustic™ Infill Panel	24 x 24 x 5/8"	0.75	N/A	Beige Matte	12
5823	BioAcoustic Infill Panel	24 x 24 x 5/8"	0.75	N/A	Black Matte	12
8200100	Fiberglass Infill Panel	24 x 24 x 1"	0.75	N/A	Black Gloss	12
1713/1713BL	School Zone® Fine Fissured™ Square Lay-in Panel	24" x 24"	0.70	35	White or Black	12
2820/2820BK	Calla® Square Lay-in Panel	24" x 24"	0.85	35	White or Black	10
1714/1714BL	School Zone Fine Fissured Square Lay-in Panel	24" x 48"	0.70	40	White or Black	8
6657	BioAcoustic Infill Panel	11 x 48 x 5/8"	0.75	N/A	Black Matte	12

INFILL PANEL OPTIONS









1. BioAcoustic Infill Panel – Black
2. BioAcoustic Infill Panel
3. Fine Fissured™ Square Lay-in panel
4. 1" Fiberglass Infill panel (in polybag)

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armstrongceilings.com/woodworks

BPCS-5622-517

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Armstrong® CEILING & WALL SOLUTIONS



CUSTOM WOODWORKS®

CASE STUDY

PROJECT: La-Z-Boy® Furniture
World Headquarters

LOCATION: Monroe, MI

ARCHITECT: The Collaborative Inc.
Toledo, OH

PRODUCT: Custom WoodWorks® Grille

THE CHALLENGE:

The three-story-high atrium at the entrance of the new La-Z-Boy® Furniture headquarters is meant to be a “Hub” or “Main Street” for the La-Z-Boy staff. It provides a work/café environment for the entire building while supporting cross collaboration and interaction between the different work neighborhoods. One of the challenges to the design team was how to add texture and warmth to the huge, open space.

THE SOLUTION:

To help attain the look the design team desired in the atrium, they chose WoodWorks® Grille panels in a Light Cherry color for the 6,000-square-foot ceiling. The wood atrium draws its inspiration from the original La-Z-Boy wooden patio chair from 1928.

The ceiling swoops down at the back of the atrium near the top of a dramatic staircase to engage the occupants of the space and to break up the flat ceiling. The curved section of the ceiling was accomplished using panels with a flexible backer installed on a faceted grid system.

Within each panel, some slats are 2” wide and others, 3-3/4” wide. This variation not only added to the aesthetic appeal of each panel but also allowed the design team to incorporate 4” wide light fixtures in the gaps between the slats.

HELPING YOU CREATE THE UNEXPECTED

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solutions center

helping to bring your one-of-a-kind ideas to life

FREE design service
Pre-construction assistance
Installation recommendations
Collaborative design
Specifications
Budgeting and planning

1 800 988 2685

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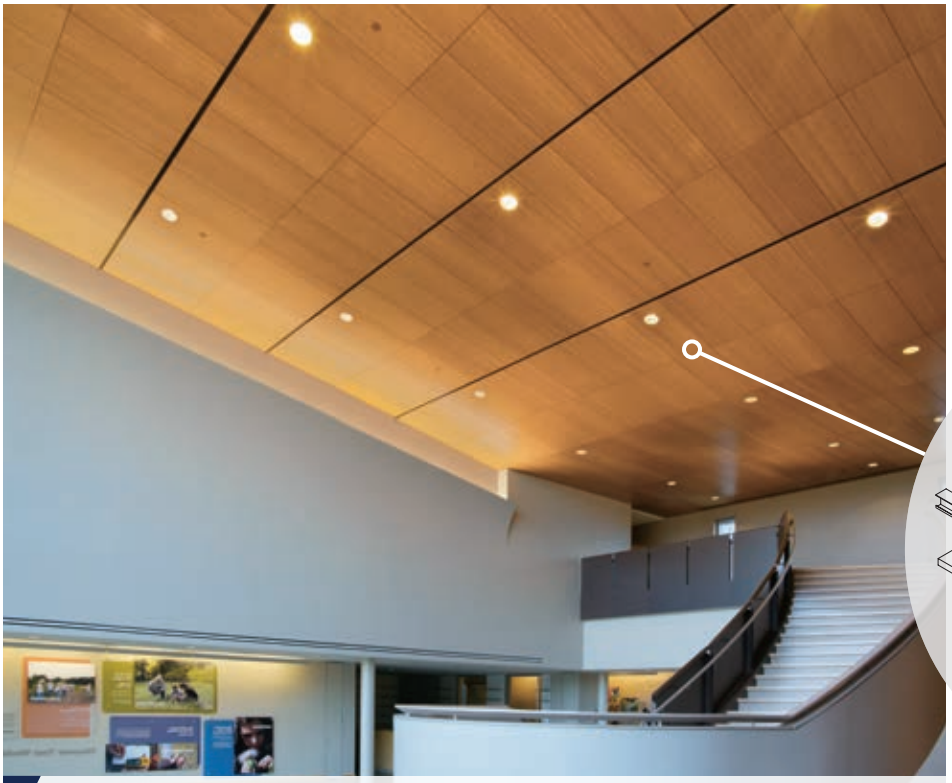
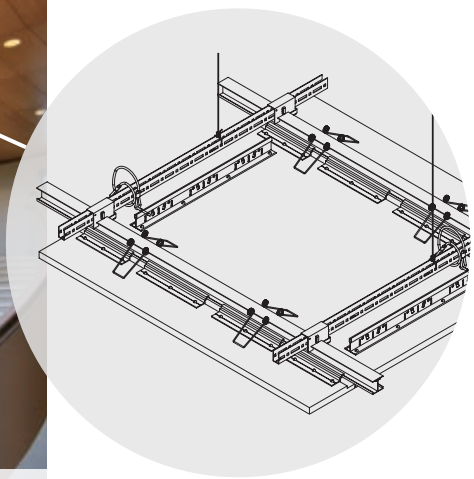
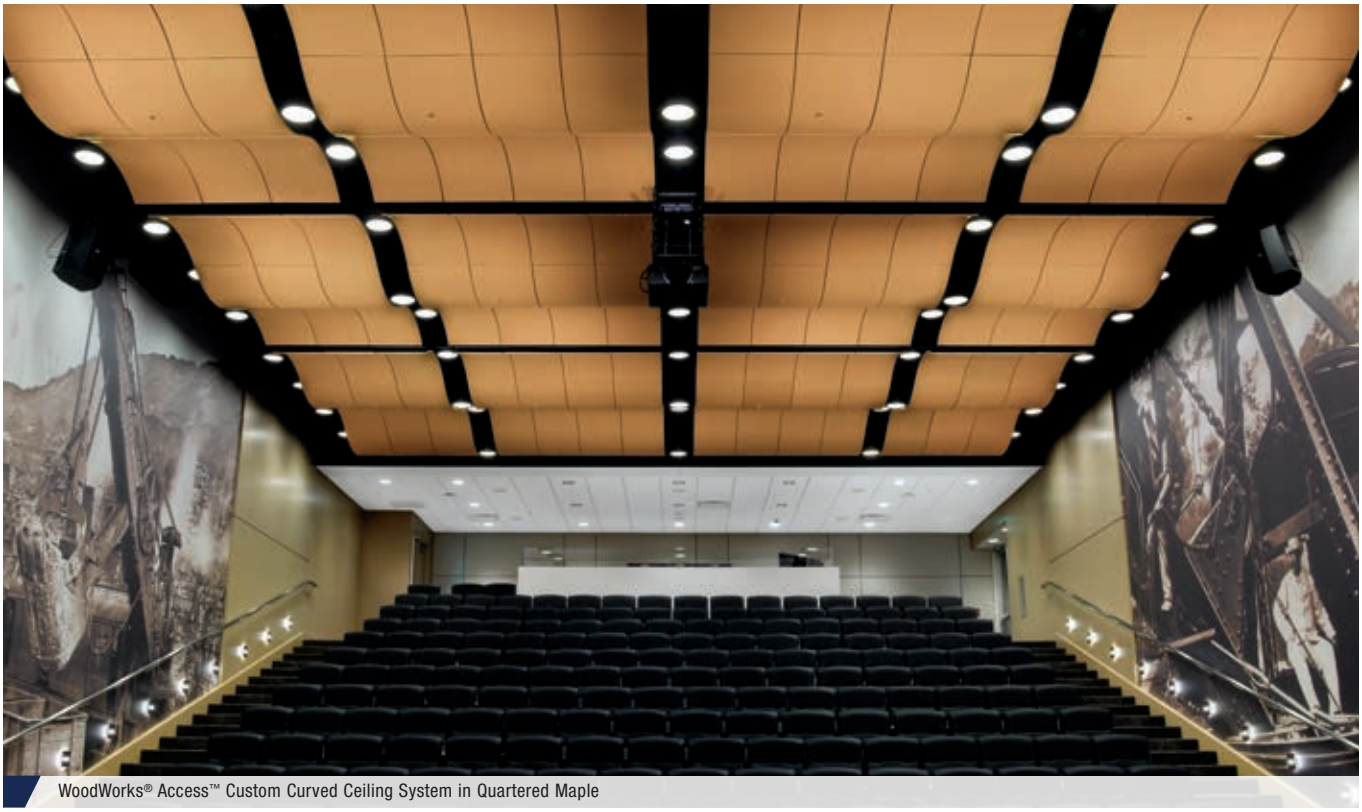


WoodWorks® Access™ Custom Flat Ceiling System in Maple; WoodWorks® Wall System in Maple

KEY SELECTION ATTRIBUTES

- Provides full downward accessibility
- Panel options up to 16 SF
- Flat, radial, and curved panels available
- Acoustical options with perforated panels
- Meets requirements for seismic areas





WoodWorks® Access™ Custom Curved Ceiling System in Quartered Maple

you inspire™
solutions center
helping to bring your one-of-a-kind ideas to life

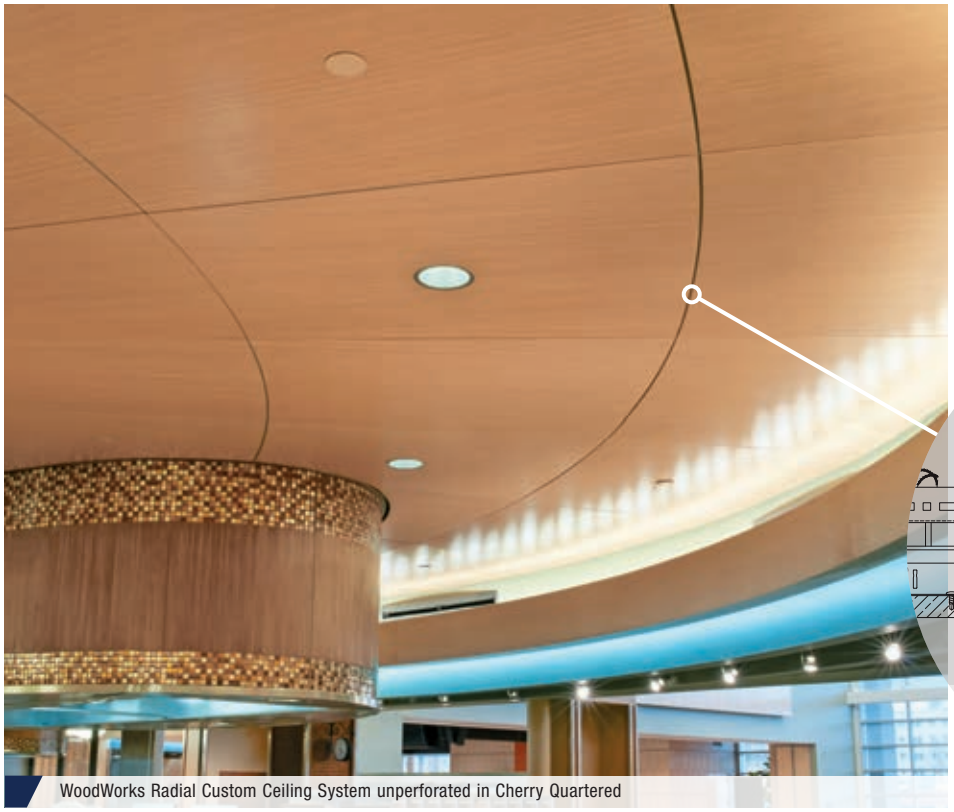


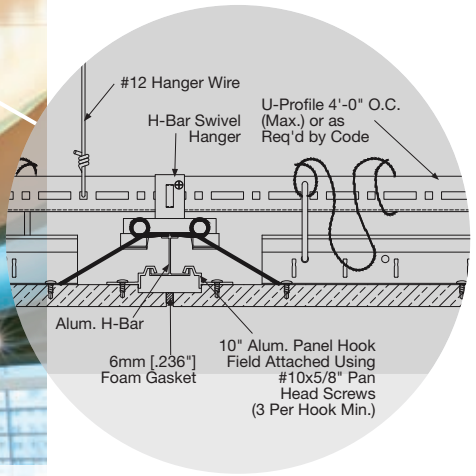
WoodWorks® Radial Custom Ceiling System in Reconstituted Wenge Graduated

KEY SELECTION ATTRIBUTES

- Variety of trapezoidal sizes, up to 96" length, and up to 48" width
- Perforation options provide NRC 0.40 – 0.65 based on pattern and infill selected (see pages 169-170; 200)
- Engineered and tested for applications in seismic zones

Due to the non-standard dimensions, finishes, and performance features for custom WoodWorks systems, please visit our web site at armstrongceilings.com/woodworks or call TechLine at 1 877 276-7876.





WoodWorks Radial Custom Ceiling System unperforated in Cherry Quartered

Armstrong® CEILING & WALL SOLUTIONS



WoodWorks® Custom Ceilings and WoodWorks® Custom Walls with custom perforation in custom Cherry finish



WoodWorks® Custom Ceiling System unperforated in White Maple with Clear Satin finish

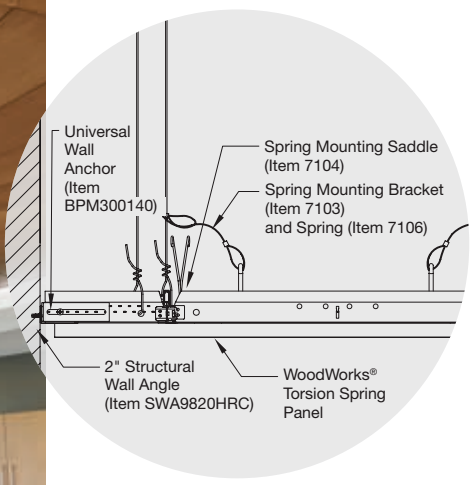
you inspire™
solutions center
helping to bring your one-of-a-kind ideas to life



WoodWorks® Torsion Spring in custom finish

KEY SELECTION ATTRIBUTES

- Monolithic visual in rectangular and radial
- Large-size panel options up to 16SF
- Available in standard and custom WoodWorks® visuals and a variety of perforations for aesthetic and acoustical needs
- All system components available through a single source
- Accessible system, seismic tested and approved



Armstrong® CEILING & WALL SOLUTIONS



TRANS-
LUCENT

TRANSLUCENT MATERIALS

INFUSIONS® Panels and Sheets

Lay-in
smooth texture



Infusions 24" x 24" Lay-in Panels in Crystalline Focus



See more photos at:
armstrongceilings.com/photogallery
SEARCH: infusions

Translucent ceiling panels are available in multiple sizes, colors, and patterns.

KEY SELECTION ATTRIBUTES

- Dimensions – Splash, Large, and Small Beads create a 3D look with a unique honeycomb core
- Coordinate with Armstrong® Infusions™ Walls and Partitions, Infusions® Blades™ vertical elements, Infusions Shapes and Canopies, SoundScapes® Shapes panels and Blades™ vertical elements, Create!™ ceiling panels, or other interior finishes
- 18" x 18" Infusions Lay-in infill panels now available for Metaphors® Coffers; for details, see pages 281-282
- Lay-in panels install quickly and easily in standard 15/16" Prelude® XL® or 9/16" Suprafine® XL® suspension system
- Infusions ceiling systems offer the industry's highest fire performance; panels meet both the Class A and IBC drop-out requirements for fire performance (drop-out tested to withstand 200º temperatures for 30 minutes)
- Can be used in Formations™ Accent Clouds
- 48" x 72" Polycarbonate and 48" x 96" PETG sheets available for use on other areas of a project like desk or bar fronts, dividers or wall art that must coordinate with Armstrong® Infusions® products

DETAIL





1. Infusions Lay-in
2. Infusions Lay-in with 15/16" Prelude® suspension system

For: Infusions® Blades™ see page 55
Infusions® Shapes see page 84
Infusions® Canopies see page 83
Infusions® Partitions see page 459
Infusions™ Walls see page 460

INFUSIONS® Panels and Sheets

Lay-in
smooth texture

COLOR SELECTION – SOLIDS Due to printing limitations, shade may vary from actual product.

Cultured Pearl (TCP)
Inspiration Ice (TNC)
Calm Water (TCW)
Natural Faith (TNF)
Loyalty Latte (TLL)
Caribbean Renewal (TAR)
Sage Happiness (TSH)
Budding Creativity (TBD)
Tranquility Teal (TTT)
Peace Blue (TPB)
Sheer Iris (TSI)
Blueberry Bliss (TBB)
SaffronEnergy (TSE)
Sedona Spirit (TSS)
Red Fire (TRF)

SoundScapes® Coordinating Colors

Refined Kiwi (TRK)
Refined Reef (TRR)
Refined Lagoon (TRL)
Refined Plum (TRP)
Refined Tangerine (TRT)
Refined Black (TRB)



Infusions® 24" x 24" lay-in panels in Indigo Surf



Infusions® 24" x 48" lay-in panels in Crystalline Sky

INFUSIONS® Panels and Sheets

Lay-in
smooth texture

COLOR SELECTION – PATTERNS Due to printing limitations, shade may vary from actual product.

Goldtones


Honey Canvas (THC)


Spun Copper (TSC)


Crushed Copper (TCC)

Linens


Linen Gold (TLG)


Natural Linen (TNL)*†


Blue Linen (TBL)*†

Crystallines


Crystalline Silverado (TSV)


Crystalline Focus (TCR)


Crystalline Sky (TSY)

Tones-on-tones


White Circlets (TWC)


Silver Orbit (TSR)


Indigo Surf (TNS)

Arbors


Clear Arbor (TCA)


Blue Arbor (TBA)


Orange Arbor (TOA)


Red Arbor (TRA)

COLOR SELECTION – DIMENSIONS PATTERNS† Due to printing limitations, shade may vary from actual product.


Splash Kiwi (FZTRK)


Splash Reef (FZTRR)


Splash Lagoon (FZTRL)


Splash Plum (FZTRP)


Splash Tangerine (FZTRT)


Beads Large Kiwi (FLTRK)


Beads Large Reef (FLTRR)


Beads Large Lagoon (FLTRL)


Beads Large Plum (FLTRP)


Beads Large Tangerine (FLTRT)


Beads Small Kiwi (FSTRK)


Beads Small Reef (FSTRR)


Beads Small Lagoon (FSTRL)


Beads Small Plum (FSTRP)


Beads Small Tangerine (FSTRT)

NOTES: Dimensions patterns are only available as 12" x 48" and 24" x 24" lay-in ceiling panels.
Direction of linear patterns may change between panel sizes.
* Color may vary panel-to-panel
† Not available in sheets


Infusions® Lay-in in Natural Linen

INFUSIONS® Panels and Sheets

Lay-in
smooth texture

PANEL SELECTION

PERFORMANCE

Item No. ◆	Dimensions (Inches)		Fire Rating	Warranty (No. of Years)
INFUSIONS® Lay-in Panels				
5911_ _ _	12 x 48 x 1/8"		Class A	1-Yr
5922_ _ _	24 x 24 x 1/8"		Class A	1-Yr
5912_ _ _	24 x 48 x 1/4"		Class A	1-Yr
5913_ _ _	24 x 72 x 1/4"		Class A	1-Yr
INFUSIONS Lay-in Panels – Dimensions Patterns				
5914_ _ _ _ _	12 x 48 x 0.44"		Class A	1-Yr
5915_ _ _ _ _	24 x 24 x 0.44"		Class A	1-Yr
INFUSIONS Sheets (not used for ceiling applications)				
5976_ _ _	48 x 72 x 1/4"		Class A	1-Yr
5978_ _ _	48 x 96 x 1/4"		Class A	1-Yr

Note: Red Arbor, Blue Arbor, Cultured Pearl, and Inspiration Ice are available in 1/4" thickness only for 12" x 48" and 24" x 24" sizes.
For information about 18" x 18" Infusions® Lay-in infill panels for Metaphors® Coffers, see pages 265-266.

◆ When specifying or ordering, include the appropriate 3- or 5-letter color suffix. (Example: 5911 T C R , 5914 F Z T R K)

SUSPENSION SYSTEMS

15/16" Prelude®

9/16" Suprafine®

PHYSICAL DATA

Material
Polycarbonate (Dimensions panels – PETG and polycarbonate)

Surface Finish
Smooth

Fire Performance
Infusions® panels have been tested according to NFPA 286 and are equivalent to Class A interior finish as defined by the International Building Code.

Designers and Installers are advised to consult a fire protection engineer, NFPA 13, and local codes for guidance where automatic fire detection and suppression systems are present.

Contact TechLine at 1 877 276-7876 for specific US and Canadian fire performance data.

Design Considerations
Direction of linear patterns may change between panel sizes. Infusions panels are not approved for exterior application. Natural Linen and Blue Linen colors may vary panel to panel.

Installation Considerations
Do not allow panel edges to get wet.

Panels may be cut for borders, perimeter treatments, penetrations, and cutouts. For penetrations such as sprinklers, use an escutcheon plate to hide any rough cut edges. Any fixtures used in or adjacent to field-cut Infusions panels must be independently supported. There is potential for limited natural deflection of panels. See LA-297176 at armstrongceilings.com/infusions for cutting recommendations.

Panels can be damaged by exposure to high temperatures. Panel temperature should not be permitted to exceed 100°F.

Follow these guidelines for minimum distance from standard light sources.

LAMP TYPE	LABEL WATTAGE	MINIMUM DISTANCE
Halogen FL XL PAR 30	60	14"
Incandescent Bulb	120	15"
Quartz Halogen Work Light	500	23"

Additional light transmission information is available at armstrongceilings.com/infusions

Warranty
One (1) year limited warranty.
Details at armstrongceilings.com

Weight; Pieces/Carton
Items 5911, 5922 – 0.80 lbs/SF
Items 5912, 5913 – 1.63 lbs/SF
Items 5911, 5922 – 6 pcs/ctn
Item 5912 – 3 pcs/ctn
Item 5913 – 2 pcs/ctn
Items 5914, 5915 – 2.625 lbs/SF
Item 5914 – 4 pcs/ctn
Item 5976 – 1.63 lbs/SF – Bulk package per order
Item 5978 – 2.08 lbs/SF – Bulk package per order

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NRC + CAC = Total Acoustics®

TOTAL ACOUSTICS®

Watch the Total Acoustics® video series with Julian Treasure at: armstrongceilings.com/totalacoustics



Total Acoustics® ceilings have an ideal combination of noise reduction and sound-blocking performance in one panel with a minimum NRC of 0.60 and CAC of 35. Now, whether you're creating a space for quiet concentration, collaboration, or confidentiality, one panel meets the needs for today's flexible spaces.

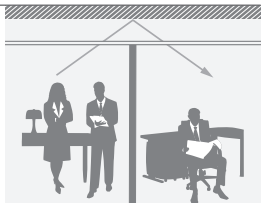
NRC (Noise Reduction Coefficient)

A measure for rating the overall sound absorption of a material when used in an enclosed architectural space such as an office, where sound is reflected at many angles of incidence. A ceiling system with an NRC < 0.50 is considered low performance, whereas one with NRC > 0.70 is considered high performance. NRC is important in any closed space where reverberation time and noise levels are an issue, and in open spaces used for both focus work and collaboration.



CAC (Ceiling Attenuation Class)

A measure for rating the performance of a ceiling system as a barrier to airborne sound transmission through a common plenum between adjacent closed spaces such as offices. A ceiling system with a CAC < 25 is considered low performance, whereas one with CAC > 35 is considered high performance. CAC is important between closed spaces, and from closed rooms to adjacent spaces, such as corridors and open office spaces.



OPEN OFFICE USED FOR FOCUS AND COLLABORATION 5,000 SF Exposed Structure (50' x 100'), 15' to deck, drywall with windows on two sides, commercial carpet (8' x 8' work station & RC35)	No Treatment Exposed Structure (0% Coverage)	Continuous Ceiling Suspended 60" Below Deck (100% Coverage)				
		Ultima® High NRC Panels		Calla® Panels		Optima® Panels
		Total Acoustics	NRC + CAC	Total Acoustics	NRC + CAC	
NRC	0.00	0.80		0.85		0.90
CAC	0	35		35		26
Total Acoustics	–	**BEST**		**BEST**		–
Reverberation Time	3.4 sec	0.6 sec		0.6 sec		0.5 sec
RT Improvement	ref	82%		82%		86%
SPL Reduction	ref	-5 dB		-6 dB		-6 dB
Privacy Index (60" partition height)	48%	59%		60%		61%

CLOSED OFFICE USED FOR PRIVACY (14' x 14', drywall, carpet) (RC30)	Drywall Ceiling Suspended 60" Below deck (100% Coverage)	Continuous Ceiling Suspended 60" Below Deck (100% Coverage)					
		Ultima® Panels		Ultima® High NRC Panels		Calla® Panels	
		Total Acoustics	NRC + CAC	Total Acoustics	NRC + CAC	Total Acoustics	NRC + CAC
NRC	0.00	0.75		0.80		0.85	
CAC	50	35		35		35	
Total Acoustics	–	**BETTER**		**BEST**		**BEST**	
Reverberation Time (RT)	1.3 sec	0.5 sec		0.4 sec		0.4 sec	
Privacy Index	98%	98%		98%		97%	

For definitions of acoustical terms, see pages 373-374 in this catalog.

BE SURE YOU GET THE ACOUSTIC VALUES YOU SPECIFY

UL Classified Acoustics Since 1998

Armstrong Ceilings carries UL Classification for precise acoustical compliance for three acoustical categories – NRC, CAC, and AC. As the industry leaders, Armstrong and UL teamed up in 1998 to create this new classification to ensure more reliability in reporting and specifying product acoustical performance.



This label appears on cartons of Armstrong® UL Classified acoustical ceilings. Armstrong Ceilings certifies that the material in the carton meets published values, not merely that a similar batch of material met these values at some point in the past.

This Icon identifies Armstrong UL Classified Acoustical ceilings – the assurance of reliable performance in every ceiling panel. Be sure any panel you choose has certified performance, or you may not get what you pay for.



MINERAL FIBERGL

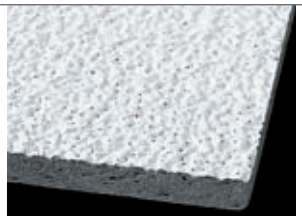
MINERAL FIBER / FIBERGLASS

MINERAL FIBER AND FIBERGLASS
At-a-Glance

Look for this icon indicating new products or new additions to product families. Visit our web site for details.

STANDARD MINERAL FIBER CEILINGS

Product information listed pertains to product families, and may not apply to individual items. Consult product details at armstrongceilings.com/commercial before specifying/purchasing.



ARMATUFF®

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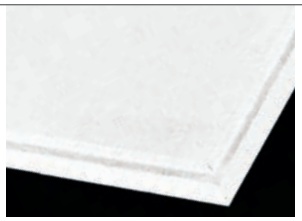
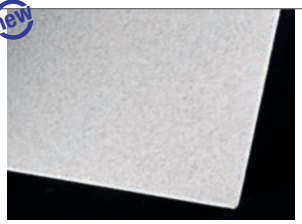
Pg. 218



CALLA®

$$$$

Pgs. 221-222



CANYON®

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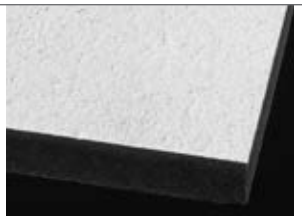
Pgs. 223-224



CERAMAGUARD®
CERAMAGUARD® Fine Fissured™

$$$$

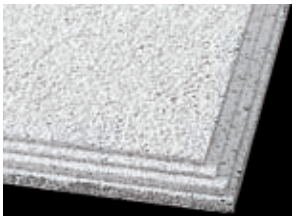
Pgs. 225-226



CIRRUS®
CIRRUS® High-NRC
CIRRUS® Second Look®

$$ - $$$

Pgs. 227-232, 235-236



CIRRUS® Profiles

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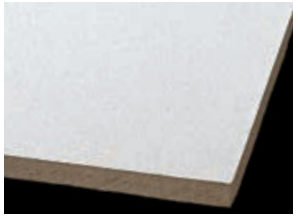
Pgs. 233-234



CLEAN ROOM™ FL

$$$$

Pgs. 239-240



CLEAN ROOM™ VL

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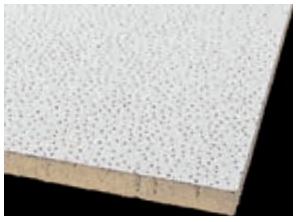
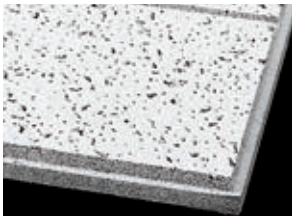
Pgs. 239-240



VL

$$$$

Pgs. 239-240



CORTEGA®
CORTEGA® Second Look®

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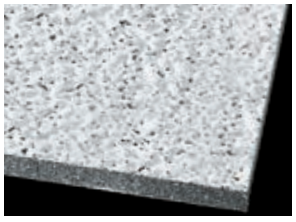
Pgs. 243-244



DESIGNER™

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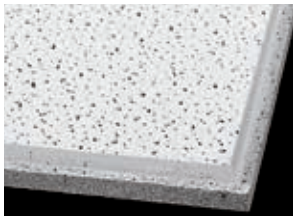
Pg. 248



DUNE™
DUNE™ Second Look®

$ - $$$

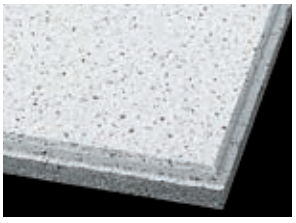
Pgs. 249-252



FINE FISSURED™
FINE FISSURED™ Second Look®

$ - $$

Pgs. 255-261



FINE FISSURED™ High-NRC

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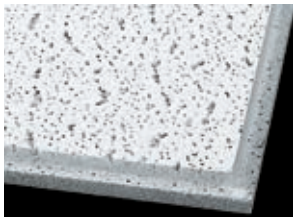
Pgs. 257-260



FISSURED™

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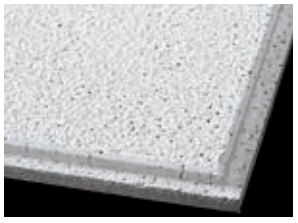
Pg. 262



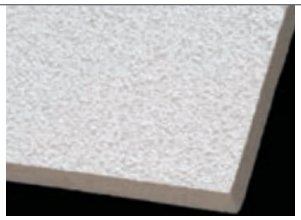
GEORGIAN™

$

Pgs. 263-264

FastSize™ Ceiling Panels The sizes you need… factory finished… one carton minimums… shipped fast! Available in select Cirrus®, Optima®, Optima® Capz™, and Ultima® panels. See "Item No." column on product pages for size availability. FastSize, other sizes, and colors not UL Classified for acoustics. HRC products not available in FastSize.

STANDARD MINERAL FIBER CEILINGS (continued)



GEORGIAN™ High Washability

$

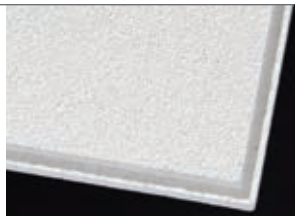
Pgs. 263-264



KITCHEN ZONE™

$$

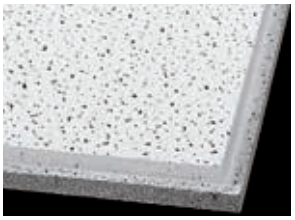
Pgs. 267-268



MESA™
MESA™ Second Look® II

$$

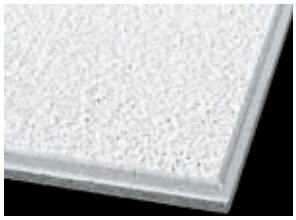
Pgs. 279-280



School Zone® FINE FISSURED™
School Zone® GEORGIAN™

$

Pgs. 305-306



TUNDRA®

$$

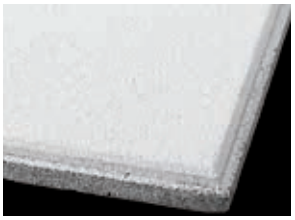
Pgs. 309-310



ULTIMA®
ULTIMA® with AirGuard™ Coating

$$$

Pgs. 311-318



ULTIMA® High NRC

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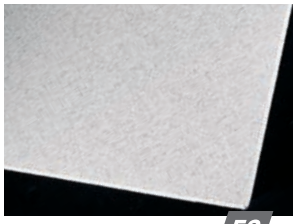
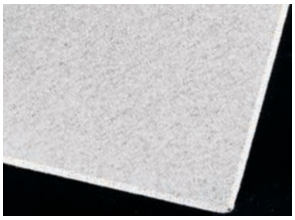
Pgs. 311-318



ULTIMA® Vector®

$$$

Pgs. 319-320

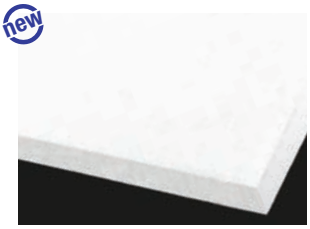


ULTIMA® Health Zone™

$$

Pgs. 321-324

FIBERGLASS



LYRA® with Plant-Based Binder
LYRA® High CAC with Plant-Based Binder

$$$$

Pgs. 271-276



LYRA® Concealed

$$$$

Pgs. 277-278



OPTIMA®

$$$

Pgs. 287-290

ICON KEY

Icons are used throughout the catalog to help you quickly identify key product attributes.

High Acoustics

Total Acoustics®

NRC + CAC — Product has both NRC of 0.60 or greater AND CAC of 35 or higher.

NRC — Product has NRC (Noise Reduction Coefficient) 0.70 or greater.

CAC — Product has CAC (Ceiling Attenuation Class) of 35 or higher.

AC — Product has AC (Articulation Class) 170 or greater.

Fire Performance

Fire Guard™/Fire Resistive products tested in specific UL floor/ceiling or roof/ceiling design assemblies.

Seismic

D E F — Category D, E & F

High Light Reflectance

Light reflectance average of 0.83 or greater. White only.

BioBlock®

Resists growth of mold and mildew. Panels with BioBlock Plus performance also resist odor and stain-causing bacterial growth.

Humidity/Sag Resistance

HumiGuard® Max

Maximum humidity resistance, including outdoor applications.

HumiGuard Plus

Superior sag resistance, recommended for areas subject to high humidity, up to standing water and outdoor applications.

Standard

Standard performance, adequate where the building is enclosed and the HVAC is continually functioning.

High Durability

Water-Repellent

Product resists water for 15 minutes allowing proper cleaning for infection control.

Washability

Offers superior wash resistance without compromising panel finish integrity, using a washability tester as per ASTM D4828.

Scrubbability

Withstands up to 150 scrub cycles using a scrubbability tester as per ASTM D2486.

Impact Resistance

Excellent resistance to surface impact as per striking ball test.

Scratch Resistance

Excellent resistance to surface scratching, scuffing or chipping as per Hess Rake Test.

Soil Resistance

Excellent resistance to dirt and/or grease; for lasting value and performance as per simulated air diffuser soiling test.

Plenum Access

Downward access for panels minimizes panel damage.

Color Availability

Available in color.

Sustainability

Product is part of Sustain™ Portfolio and meets the most stringent sustainability compliance standards today.

Product has Ceiling-2-Ceiling™ post-consumer recycled content from reclaimed ceilings. Not available in FastSize or Other Sizes.

Product is manufactured with a plant-based binder.

Product is treated with AirGuard™ coating.

Product is recyclable through the Armstrong Ceilings Recycling Program.

Relative Pricing

(Mineral Fiber / Fiberglass)

$$$$ Installed cost guidelines. Varies by geography. Contact your local representative or distributor for specific pricing in your area. 1 $ = lowest pricing 4 $s = highest

MINERAL FIBER AND FIBERGLASS
At-a-Glance

you inspire™
solutions center
helping to bring your one-of-a-kind ideas to life

STANDARD FIBERGLASS CEILINGS



OPTIMA® with Plant-Based Binder

$$$

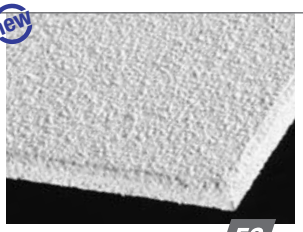
Pgs. 283-290



OPTIMA® Vector® OPTIMA Vector with Plant-Based Binder

$$$$

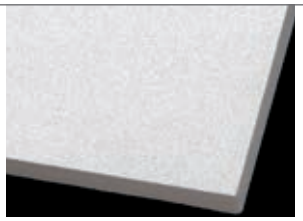
Pgs. 291-292



OPTIMA® Concealed

$$$$

Pgs. 293-294



OPTIMA® Health Zone™

$$$$

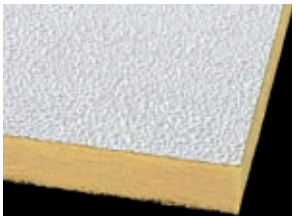
Pgs. 295-296



PAINTED NUBBY™

$$$

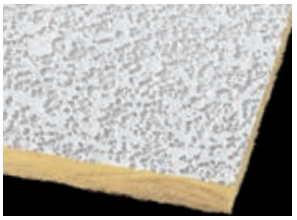
Pgs. 299-300



PEBBLE™

$

Pgs. 301-302



RANDOM FISSURED™

$

Pg. 303



SHASTA®

$

Pg. 304



OPTIMA® Capz™ SPECTRA™ Capz™

$$$$ Pgs. 104-106

(featured in Direct-Attach)

CUSTOM AND NON-STANDARD OPTIONS



ALTITUDES® Torsion Spring

$$$

Pgs. 219-220



FASTSIZE™ Panels

$

Pg. 253



OPTIMA® Radial

$$

Pgs. 297-298

COFFERS



METAPHORS®

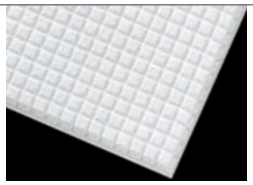
$$$$

Pgs. 281-282

MINERAL FIBER CEILINGS – DESIGN OPTIONS
At-a-Glance

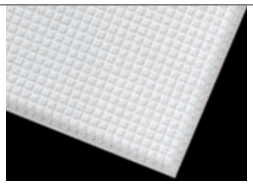
you inspire™
solutions center
helping to bring your one-of-a-kind ideas to life

GEOMETRIC DESIGNS



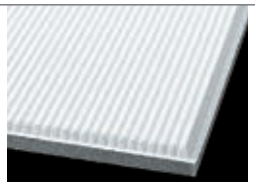
GRAPHIS® Finetex™ Cubic

Pgs. 265-266



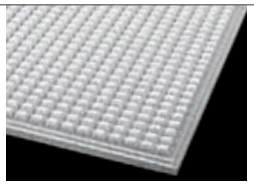
GRAPHIS® Finetex™ NeoCubic™

Pgs. 265-266



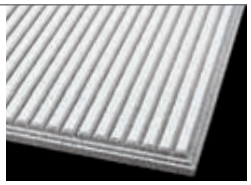
GRAPHIS® Finetex™ Wrapped Linear™

Pgs. 265-266



GRAPHIS® Rustex™ Cubic Beveled

Pgs. 265-266



GRAPHIS® Rustex™ Linear Beveled

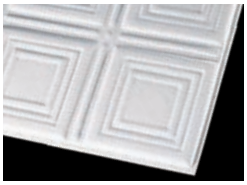
Pgs. 265-266

TIN LOOKS



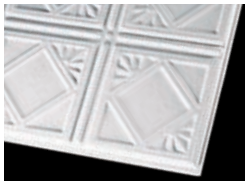
TINCRAFT™ Circles with Faux Coat Finish

Pgs. 307-308



TINCRAFT™ Squares™

Pgs. 307-308



TINCRAFT™ Triangles™

Pgs. 307-308

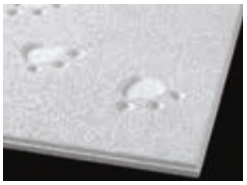
PANELED LOOK



LEDGES®

Pgs. 269-270

ETCHED DESIGNS



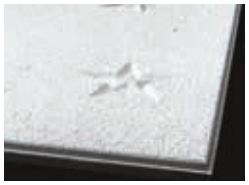
CIRRUS® Themes™ Critters™

Pgs. 237-238



CIRRUS® Themes™ Leaves™

Pgs. 237-238



CIRRUS® Themes™ Stars™

Pgs. 237-238



CIRRUS® Themes™ Things That Fly™

Pgs. 237-238



CIRRUS® Themes™ Under the Sea™

Pgs. 237-238

SCORED DESIGNS

Second Look® I – CIRRUS®, CORTEGA® DUNE™, and FINE FISSURED™

Pgs. 235-236, 243-244, 251-252, 261

Second Look® II – CIRRUS®, CORTEGA®, DUNE™, FINE FISSURED™, and MESA™

Pgs. 235-236, 243-244, 251-252, 261



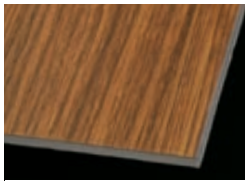
Second Look® III – CIRRUS®, FINE FISSURED™

Pgs. 235-236, 261

MINERAL FIBER CEILINGS – PRINTED OR PAINTED COLORS AND IMAGES
At-a-Glance

CREATE!™ PRINTED IMAGES

WOOD LOOKS



ULTIMA® Health Zone™ Create!™

$$$$ Pgs. 321-324

PRINTED IMAGES



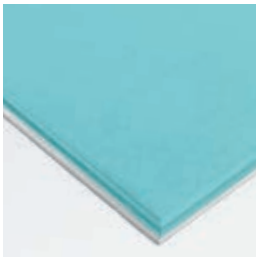
ULTIMA® Create!™,
ULTIMA Health Zone™ Create!™
and OPTIMA® Create!™

$$$$ Pgs. 245-247



CALLA® COLORATIONS® PAINTED FINISHES

14 Standard Colors (see below) **Custom**

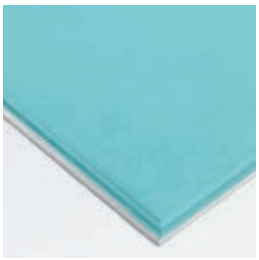




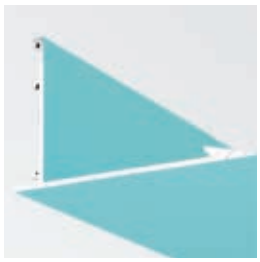
Custom colors also available on Lyra PB products



COLORATIONS® INTEGRATED COLOR – PANELS, SUSPENSION SYSTEMS, AND TRIM







Look for Colorations standard colors translated on SoundScapes® Canopies, SoundScapes® Shapes, SoundScapes® Blades™, and Infusions® Accent Canopies.

COLORATIONS® COLORS

Due to printing limitations, shade may vary from actual product.

White (WH)	Shell (SH)	Pale Lemon (LM)	Pecan (PC)	Sky (SK)	Moss (MS)	Stone (SE)	Reef (RE)	Lagoon (LA)	Plum (PM)	Cranberry (CN)	Kiwi (KW)	Tangerine (TG)	Black (BK)	Made-to-order Sherwin-Williams® Colors Available

Sherwin-Williams® is a registered trademark of The Sherwin-Williams Company

Armstrong® CEILING & WALL SOLUTIONS

ARMATUFF®

Square Lay-in
coarse texture

UP TO 40% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD | recyclable/ extended producer resp. ✓ | biobased materials ✓ | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

$$$$



Armatuff® panels with Prelude® 15/16" suspension system (Pgs. 391-392)

A coarse-textured visual strong enough to withstand impact from non-deliberate contact.

KEY SELECTION ATTRIBUTES

- Durable
  Impact-resistant
  Scratch-resistant
- Can be installed before building is enclosed
- 30-Year Limited System Warranty against visible sag, mold, and mildew

TYPICAL APPLICATIONS

- Corridors
- Locker rooms
- Auditoriums
- Gymnasiums
- Cafetoriums/multipurpose rooms

Armatuff® damage-resistant panels will withstand impact from non-deliberate contact with volleyballs and basketballs normally found in gymnasium activities. The Retention Clips allow the panels to deflect slightly, absorbing the force of the impact, while still providing a mechanism to prevent the panels from being dislodged from the suspension system.

COLOR

White (WH)

VISUAL SELECTION

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	
ARMATUFF®				
15/16" Square Lay-in	1	**861**	24 x 24 x 3/4"	☐
	1	**860**	24 x 48 x 3/4"	▭

PERFORMANCE SELECTION

Dots represent high level of performance.

UL Classified Acoustics NRC	CAC	Total Acoustics[1]	Fire Performance	Light Reflect	Anti-Mold & Mildew (Bio-Block)	Sag Resist (Humi-Guard+)	Certified Low VOC Emissions	Impact (Durability)	Scratch (Durability)	Recycled Content	Recycle Program	30-Yr Warranty
0.50	33	–	Class A	0.87 •	•	•	–	•	•	Std	•	•
0.50	35 •	–	Class A	0.87 •	•	•	–	•	•	Std	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.

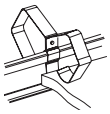
SUSPENSION SYSTEMS

15/16"



Prelude

ACCESSORIES



414 - Retention Clip (ordered separately)
Attaches to main beams and cross tees behind lay-in ceilings; helps prevent panel displacement from non-deliberate contact by basketballs and other forces from below the ceiling.

PHYSICAL DATA

Material
Wet-formed high-density mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled)

ASTM E1264 Classification
Type III, Form 2, Pattern C E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

Insulation Value
R Factor – 1.7 (BTU units)
R Factor – 0.30 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
860 – 1.13 lbs/SF; 64 SF/ctn
861 – 1.23 lbs/SF; 64 SF/ctn

Minimum Order Quantity
1 carton, excludes other size panels

Metric Items Available
861M, 860M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

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ALTITUDES® Torsion Spring

Custom Concealed Ceiling System
smooth texture



Altitudes® Torsion Spring In White

plus... capabilities to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

A ceiling system with a monolithic look from sag-resistant, large custom-size panels.

KEY SELECTION ATTRIBUTES

- Easily installs with standard Prelude® 15/16" suspension system
- Monolithic look with sag-resistant, large size panels
- Sizes up to 48" x 96" with or without upturns
- Shaped/curved panels available*
- Excellent acoustical performance – NRC (0.85)
- Wide variety of color options available
- Smooth, clean, durable finish
- Downward accessible with tool
- Energy-saving high light-reflective finish (White)
- Non-directional visual

* Two opposite sides of panel must be straight

TYPICAL APPLICATIONS

- Transportation
- Office
- Lobby areas
- Auditoriums

COLOR SELECTION

White
(WH)

CUSTOM FINISHES

Due to printing limitations, shade may vary from actual product.



Made-to-order
Sherwin-Williams®
Colors Available

Choose colors from Sherwin-Williams® Duration® or Harmony® flat interior paint families. When ordering, use Sherwin-Williams 4-digit color code (SW _ _ _ _)

DETAILS



LEED®: energy management; construction waste mgmt ✓; regional materials ✓; design for flexibility; EPD; recyclable/ extended producer resp.; biobased materials; recycled content ✓; sourcing of raw materials ✓; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

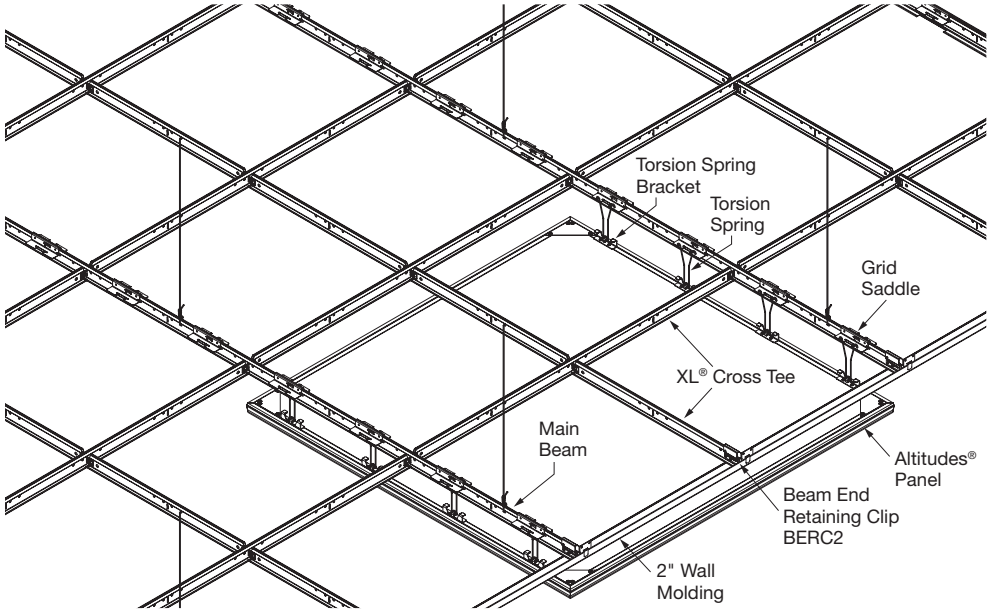
▲ LOCATION DEPENDENT

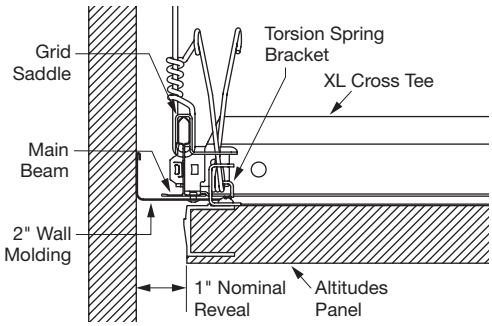
ALTITUDES® Torsion Spring

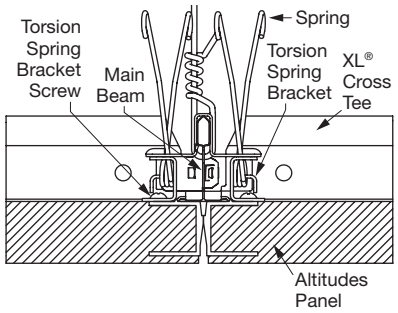
Custom Concealed Ceiling System
smooth texture

INSTALLATION DETAILS

$$$







PHYSICAL DATA

Material
Aluminum framed 6-7 pcf fiberglass and 16-20 pcf impact-resistant molded fiberglass with polypropylene based vapor barrier

Surface Finish
Factory-applied latex paint

Fire Performance
Class A per IBC. Flame Spread Index 25 or less and Smoke Developed Index 50 or less when tested in accordance with ASTM E84 (painted, face only).

CAN/ULC S102 surface burning characteristics. Flame Spread Index of 25 or less and Smoke Developed Index of 50 or less (painted, face only).

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

Recycled Content
35% recycled content with minimum 9% post-consumer content.

Design Consideration
Shape panels are available, however, the panel must have two straight sides opposite each other. Other sides may be curved.

Installation Considerations
Clean, white gloves should be worn when installing panels to keep them free from dust or soiling.

Approximately 7" of clearance is needed to accommodate this system.

Design Support
Project management assistance is available by calling TechLine at 1 877 276-7876.

Seismic Restraint
System has been designed, tested, and approved. See full installation instructions for seismic requirements.

Warranty
Details at armstrongceilings.com

Weight; Square Feet/Carton
1.25 lbs/SF; Bulk crated

TechLine / 1 877 276-7876
armstrongceilings.com/commercial
(search: altitudes)
BPCS-4786-517

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CALLA®

Square Lay-in, Tegular
smooth texture

TOTAL ACOUSTICS®
Sound Absorption (NRC)
+ Sound Blocking (CAC)

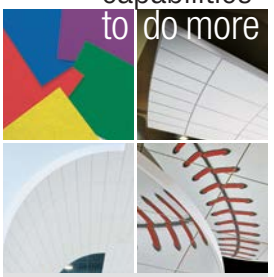
10-YEAR REPLACEMENT PANEL AVAILABILITY

Item 2824



Calla® Square Tegular panels with Suprafine® 9/16" suspension system (Pgs. 400-401)

plus... capabilities to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

The smoothest finish mineral fiber ceiling available with Total Acoustics® performance – excellent noise reduction and sound blocking in one product.

KEY SELECTION ATTRIBUTES

- Get total noise control and design flexibility with Total Acoustics® ceiling panels: NRC + CAC = Total Acoustics® performance
- Calla® panels are part of the Sustain™ portfolio and meet the most stringent sustainability compliance standards today
- Available in 14 standard Colorations® colors with coordinating suspension systems and trim. Made-to-order Sherwin-Williams® colors available
- Excellent combination of acoustical performance; NRC (0.85), AC (170), and CAC (35) (White only)
- USDA-Certified Biobased Product – 59%
- Washable, Impact-resistant, Scratch-resistant, Soil-resistant
- Product can be recycled through the Armstrong Ceilings Recycling Program
- Compatible with the TechZone® Ceiling Systems (White only)
- 30-Year Limited System Warranty against visible sag, mold, and mildew

TYPICAL APPLICATIONS

- Offices – closed spaces for privacy and focus; open spaces for focus, collaboration, and teaming
- Healthcare – assists in addressing HIPAA, HCAHPS, and FGI acoustical requirements
- Classrooms
- Corridors
- Lobbies/reception areas
- Department stores/retail

COLORATIONS® COLORS*

Due to printing limitations, shade may vary from actual product.

White (WH)	Shell (SH)	Pale Lemon (LM)	Pecan (PC)	Sky (SK)	Moss (MS)	Stone (SE)	Reef (RE)	Lagoon (LA)	Plum (PM)	Cranberry (CN)	Kiwi (KW)	Tangerine (TG)	Black (BK)	Made-to-order Sherwin-Williams® Colors Available

* Colorations colors are not included in the Sustain™ portfolio

DETAILS

(Other Suspension Systems compatible. Refer to listing on page 222.)



1. Calla® Square Tegular
2. Calla Square Lay-in
3. Calla Square Tegular with Suprafine 9/16" suspension system

CALLA®

Square Lay-in, Tegular smooth texture

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

76% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD | recyclable/ extended producer resp. ✓ | biobased materials ✓ | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting ✓ | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance.

$$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC + CAC =	Total Acoustics[1] NRC + CAC	Articulation Class AC	Fire Performance	Light Reflect (White Only)	Anti-Mold & Mildew Bio-Block	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Durability: Wash	Durability: Impact	Durability: Scratch	Durability: Soil	Recycled Content	Recycle Program	30-Yr Warranty
CALLA® Square Lay-in																		
15/16" Square Lay-in	1	**2820**	24 x 24 x 1"	0.85 • + 35 • =	BEST	170 •	Class A	0.86 •	•	•	•	•	•	•	•	•	•	•
	1	**2820BK**	24 x 24 x 1"	0.85 • + 35 • =	BEST	170 •	Class A	0.86 •	•	•	•	•	•	•	•	•	•	•
	1	**2821**	24 x 48 x 1"	0.85 • + 35 • =	BEST	170 •	Class A	0.86 •	•	•	•	•	•	•	•	•	•	•
CALLA Tegular																		
15/16" Square Tegular	8	**2822**	24 x 24 x 1"	0.85 • + 35 • =	BEST	170 •	Class A	0.86 •	•	•	•	•	•	•	•	•	•	•
	8	**2823**	24 x 48 x 1"	0.85 • + 35 • =	BEST	170 •	Class A	0.86 •	•	•	•	•	•	•	•	•	•	•
9/16" Square Tegular	43, 47, 26, 51, 55	**2824__◆◆**	24 x 24 x 1"	0.85 • + 35 • =	BEST	170 •	Class A	0.86 •	•	•	•	•	•	•	•	•	•	•
	43, 47, 26, 51, 55	**2825**	24 x 48 x 1"	0.85 • + 35 • =	BEST	170 •	Class A	0.86 •	•	•	•	•	•	•	•	•	•	•
	43, 47, 26, 51, 55	**Other Size Panels**	W: 4" - 30" / L: 4" - 30" W: 4" - 24" / L: 4" - 60" 1" thick	N/A N/A	–	N/A	Class A	0.86 •	•	•	•	•	•	•	•	•	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)

◆◆ Available in Colorations® standard colors. When specifying or ordering Calla Colorations panels, add the 2-letter suffix to the end of the item number (e.g., 2824LA – Lagoon)
Colorations colors are not included in the Sustain™ portfolio

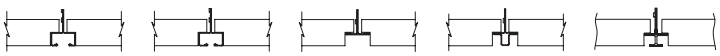
SUSPENSION SYSTEMS

15/16"



Prelude® XL®

9/16"



Silhouette® XL® 1/4" Reveal | Silhouette XL 1/8" Reveal | Suprafine® | Interlude® XL® HRC | Sonata® XL®

PHYSICAL DATA

Material
Wet-formed mineral fiber with acoustically transparent membrane

Surface Finish
Acoustically transparent membrane with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled).

ASTM E1264 Classification
Type IV, Form 2, Pattern E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Design Considerations
Combining materials with different run dates may result in shade variations. Order attic stock for any anticipated future needs.

Acoustical Performance
CAC testing conducted using Prelude® XL® suspension system for 15/16" edge detail and Silhouette® suspension system for 9/16" edge detail. NRC test conducted using white panels. Painted panels may experience a slight reduction in NRC due to the color painting process.

High Recycled Content
Classified as containing greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
R Factor – 2.9 (BTU units)
R Factor – 0.445 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
2820, 2822, 2824 – 1.0 lbs/SF; 40 SF/ctn
2821, 2823, 2825 – 1.0 lbs/SF; 48 SF/ctn

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armstrongceilings.com/commercial
(search: calla)
BPCS-4722-617

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Armstrong® CEILING & WALL SOLUTIONS

MINERAL FIBER



MINERAL FIBER

CALLA®

new

Vector®
smooth texture



Calla® Vector® panels with Prelude® 15/16" suspension system (Pgs. 391-392)

Calla® Vector® panels are great for projects where plenum space is limited and a sleek, monolithic visual is desired.

KEY SELECTION ATTRIBUTES

- Smoothest mineral fiber panel available
- 1/4" reveal resulting in a monolithic appearance
- Calla® Vector® panels are part of the Sustain™ portfolio and meet the most stringent sustainability compliance standards today
- Washable, scratch-resistant, soil-resistant
- Excellent sound absorption – NRC (0.80)
- Downward accessible for minimal plenum height
- USDA Certified Biobased Product – 59%
- Product can be recycled through the Armstrong Ceilings Recycling Program
- 30-Year Limited System Warranty against visible sag, mold, and mildew

TYPICAL APPLICATIONS

- Renovation – installs on existing 15/16" suspension
- Open plan offices
- Corridors
- Lobbies/reception areas
- Retail

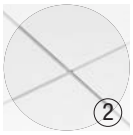
COLOR

White (WH)

Made-to-order Sherwin-Williams® Colors Available

DETAILS (Other Suspension Systems compatible. Refer to listing on page 320.)





1. Calla® Vector®
2. Calla Vector with Prelude® 15/16" suspension system

CALLA®

new Vector®
smooth texture

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

76% RECYCLED CONTENT

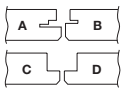
Calculate LEED contribution at armstrongceilings.com/greengenie

LEED® ✓ energy management ✓ construction waste mgmt ✓ regional materials ✓ design for flexibility ✓ EPD ✓ recyclable/ extended producer resp. ✓ biobased materials ✓ recycled content ✓ sourcing of raw materials ✓ material ingredient reporting ✓ low emitting/ materials ✓ lighting quality ✓ acoustics

▲ LOCATION DEPENDENT

$$$$

VISUAL SELECTION

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC + CAC = Total Acoustics[1]	Articulation Class AC	Fire Performance	Light Reflect	Anti-Mold & Mildew (Bio-Block)	Sag Resist (Humi-Guard+)	Certified Low VOC Emissions	Wash (Durability)	Scratch (Durability)	Soil (Durability)	Recycled Content	Recycle Program	30-Yr Warranty
CALLA® Vector®																
1/4" Reveal 	73	new **2814**	24 x 24 x 1"	0.80 •	33	–	170	Class A	0.86 •	•	•	•	•	•	•	•	•	•
	73	new **2815**	24 x 48 x 1"	0.80 •	33	–	170	Class A	0.86 •	•	•	•	•	•	•	•	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)

SUSPENSION SYSTEMS

15/16"



Prelude® Vector®

VECTOR – FIXTURE TRIMS

Item No.	Length	Color	Substrate	Pcs per Carton
5790	12"	White	Extruded PVC	48
5791	24"	White	Extruded PVC	48
5792	30"	White	Extruded PVC	48
5793	48"	White	Extruded PVC	48

ACCESSORIES (must be ordered separately)

Item No.			Pcs per Carton
443		Calla Vector® Border Clip	50
7425		24" Stabilizer Bar	100
7445		48" Stabilizer Bar	100
7870		Spring Border Clip (For installations with the panel resting on the wall molding)	1,000

PHYSICAL DATA

Material
Wet-formed mineral fiber with an acoustically transparent membrane.

Surface Finish
Acoustically transparent membrane with factory-applied latex paint.

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled).

ASTM E1264 Classification
Type IV, Form 2, Pattern E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Acoustical Performance
CAC testing conducted using Prelude® XL® suspension system.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
R Factor – 2.9 (BTU units)
R Factor – 0.445 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
2814 – 1.0 lbs/SF; 40 SF/ctn
2815 – 1.0 lbs/SF; 48 SF/ctn

Minimum Order Quantity
1 carton

TechLine / 1 877 276 7876
armstrongceilings.com/commercial
(search: calla)
BPCS-5676-1017

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Armstrong® CEILING & WALL SOLUTIONS

CANYON®

Square Lay-in & Tegular
smooth texture

TOTAL ACOUSTICS®
Sound Absorption (NRC)
+ Sound Blocking (CAC)



Canyon® Square Lay-in panels with Prelude® XL® 15/16" suspension system (Pgs. 391-392)

Smooth finish, mineral fiber ceiling panel with Total Acoustics® performance.

KEY SELECTION ATTRIBUTES

- Get total noise control and design flexibility with Total Acoustics® ceiling panels: NRC + CAC = Total Acoustics® performance
- Canyon® panels are part of the Sustain™ portfolio and meet the most stringent sustainability compliance standards today
- Smooth, White surface
- Good combination of acoustical performance; NRC (0.60) and CAC (35)
- 30-Year Limited System Warranty against visible sag, mold, and mildew

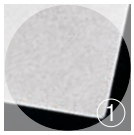
TYPICAL APPLICATIONS

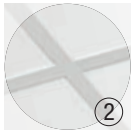
- Offices/conference rooms
- Lobbies/reception areas
- Computer rooms
- Auditoriums

COLORS

White
(WH)

DETAILS (Other Suspension Systems compatible. Refer to listing on page 224.)





1. Canyon® Square Lay-in
2. Canyon® Square Lay-in with Prelude® XL® 15/16" suspension system

CANYON®

Square Lay-in & Tegular
smooth texture

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

44% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt; regional materials; design for flexibility; EPD; recyclable/ extended producer resp.; biobased materials; recycled content; sourcing of raw materials; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

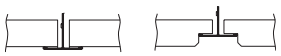
Dots represent high level of performance. $$$$

Edge Profile	Suspension Detail Dwg. Pgs. 407-411	Item No.	Dimensions (Inches)		UL Classified Acoustics NRC	+ CAC	=	Total Acoustics[1] NRC + CAC	Fire Performance	Light Reflect	Anti-Mold & Mildew Bio Block	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Durability	Recycled Content	Recycle Program	30-Yr Warranty
CANYON® Square Lay-in & Tegular																	
15/16" Square Lay-in	1	**1490**	24 x 24 x 5/8"	□	0.60	35 •		GOOD	Class A	0.80	•	•	•	Std	Std	•	•
	1	**1491**	24 x 48 x 5/8"	▭	0.60	35 •		GOOD	Class A	0.80	•	•	•	Std	Std	•	•
15/16" Beveled Tegular	15	**1492**	24 x 24 x 5/8"	□	0.60	35 •		GOOD	Class A	0.80	•	•	•	Std	Std	•	•
	15	**1493**	24 x 48 x 5/8"	▭	0.60	35 •		GOOD	Class A	0.80	•	•	•	Std	Std	•	•
9/16" Beveled Tegular	44, 48, 29, 52, 56	**1494**	24 x 24 x 5/8"	□	0.60	35 •		GOOD	Class A	0.80	•	•	•	Std	Std	•	•
	44, 48, 29, 52, 56	**1495**	24 x 48 x 5/8"	▭	0.60	35 •		GOOD	Class A	0.80	•	•	•	Std	Std	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)

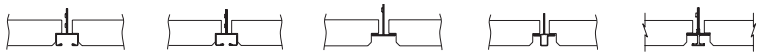
SUSPENSION SYSTEMS

15/16"



Prelude® XL®

9/16"



Silhouette® XL® 1/4" Reveal | Silhouette XL 1/8" Reveal | Suprafine® | Interlude® XL® HRC | Sonata® XL®

PHYSICAL DATA

Material
Mineral fiber with acoustically transparent membrane

Surface Finish
Acoustically transparent membrane with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled).

ASTM E1264 Classification
Type IV, Form 2, Pattern E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Acoustical Performance
CAC testing conducted on Silhouette® suspension system

Insulation Value
R Factor – 1.5 (BTU units)
R Factor – 0.26 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
0.76 lbs/SF; 64 SF/ctn

Minimum Order Quantity
1 carton

TechLine / 1 877 276-7876
armstrongceilings.com/commercial
(search: canyon)
BPCS-4912-517

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CERAMAGUARD®/ CERAMAGUARD® FINE FISSURED™

Square Lay-in
medium texture

Perforated

Unperforated



Ceramaguard® panels with Prelude® Plus XL® Fire Guard™ 15/16" suspension system (Pg. 390)



See more photos at:
armstrongceilings.com/photogallery
SEARCH: ceramaguard

This is a non-directional ceiling panel for special application areas prone to moisture.

KEY SELECTION ATTRIBUTES

- Inorganic product. Resistant to the growth of mold and mildew
- Durable – Washable, Scrubbable, Soil-resistant
- Resistance to chemical fumes
- Non-directional visual reduces scrap and installation time
- Superior resistance to sagging in high humidity conditions including standing water and outdoor applications
- 30-Year Limited System Warranty against visible sag, mold, and mildew

TYPICAL APPLICATIONS

- Laboratories
- Locker rooms/indoor pools
- Hydrotherapy/shower areas
- Food preparation areas (unperforated only)
- Exterior soffits/canopies
- Indoor parking garages
- Marine use (See note under "Application Considerations")

COLOR

White
(WH)

DETAILS





1. Ceramaguard® Square Lay-in
2. Ceramaguard with Prelude® Plus XL® 15/16" suspension system

CERAMAGUARD®/ CERAMAGUARD® FINE FISSURED™

Square Lay-in
medium texture

37% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD | recyclable/ extended producer resp. ✓ | biobased materials ✓ | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC	+ CAC	= Total Acoustics[1]	Fire Performance	Light Reflect	Anti-Mold & Mildew (Bio-Block)	Sag Resist (Humi-Guard MAX)	Certified Low VOC Emissions	Wash (Durability)	Scrub (Durability)	Soil (Durability)	Recycled Content	Recycle Program	30-Yr Warranty
CERAMAGUARD® – Unperforated*																	
15/16" Square Lay-in	1	**605***	24 x 48 x 5/8"	N/A	40 •	–	Fire Guard™	0.88 •	•	•	•	•	•	•	Std	–	•
CERAMAGUARD® FINE FISSURED™ – Perforated																	
15/16" Square Lay-in	1	**607**	24 x 24 x 5/8"	0.55	38 •	–	Fire Guard	0.82	•	•	•	•	•	•	Std	–	•
	1	**608**	24 x 48 x 5/8"	0.55	40 •	–	Fire Guard	0.82	•	•	•	•	•	•	Std	–	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
* Plain pattern (unperforated) is not appropriate where aesthetics or visual consistency is important.

SUSPENSION SYSTEMS

15/16"



Prelude®, Prelude® Plus XL® Aluminum, Prelude® XL® Fire Guard™, Prelude® Plus XL® Fire Guard™, Prelude Plus XL Stainless Steel, Prelude XL for Exterior Applications

PHYSICAL DATA

Material
Wet-formed ceramic and mineral fiber composite

Surface Finish
Scrubbable factory-applied plastic paint finish

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled). Fire Guard™: A fire-resistive ceiling when used in applicable UL assemblies (Class A).

ASTM E1264 Classification
Type XX (high density ceramic-like composition with scrubbable finish).
Pattern C E (items 607, 608);
Pattern G (item 605)
Fire Class A

Humidity/Sag Resistance
HumiGuard® Max ceiling panels are recommended for areas with maximum humidity, including outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Insulation Value
R Factor — 1.4 (BTU units)
R Factor — 0.25 (Watts units)

Application Considerations
For outdoor soffits and canopies, wind uplift should be considered. Ceramaguard® is non-combustible per ASTM E136 and ISO 1182. See USCG Approval 164.109/52/0 for marine applications in all waters.

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
605, 608 – 1.52 lbs/SF; 48 SF/ctn
607 – 1.48 lbs/SF; 48 SF/ctn

Minimum Order Quantity
1 carton

Metric Items Available
605M, 607M, and 608M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

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CIRRUS®
CIRRUS® High NRC

Square Lay-in
medium texture

TOTAL ACOUSTICS®
Sound Absorption (NRC)
+ Sound Blocking (CAC)

Cirrus

Cirrus High NRC



Cirrus® Square Lay-in panels with Prelude® 15/16" suspension system (Pgs. 391-392)



See more photos at:
armstrongceilings.com/photogallery
SEARCH: cirrus

This medium-textured ceiling panel offers Total Acoustics® performance, excellent sound absorption, and blocking in one product.

KEY SELECTION ATTRIBUTES

- Get total noise control and design flexibility with Total Acoustics® ceiling panels: NRC + CAC = Total Acoustics® performance
- Cirrus® panels are part of the Sustain™ portfolio and meet the most stringent sustainability compliance standards today
- Refined visual
- Excellent combination of acoustical performance NRC (up to 0.75) and CAC (35)
- High NRC items feature Articulation Class (170), helpful to control sound over wall partitions
- Ceiling-2-Ceiling™ Post-consumer Recycled Content options:
  Items 574HRC and 533HRC.
  71% Pre-consumer;
  15% Post-consumer
- USDA Certified Biobased Product – 94%

TYPICAL APPLICATIONS

- Offices – closed spaces for privacy and confidentiality; open spaces for focus, collaboration, and teaming
- Healthcare – Assists in addressing HIPAA, HCAHPS, and FGI acoustical requirements
- Lobbies
- Public spaces/areas
- Department stores/retail

COLOR

White
(WH)

DETAILS





1. Cirrus® Square Lay-in
2. Cirrus Square Lay-in with Prelude® 15/16" suspension system

CIRRUS®
CIRRUS® High NRC

Square Lay-in
medium texture

CLOSED LOOP RECYCLED CONTENT
CEILING•2•CEILING

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

UP TO 87% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt; regional materials; design for flexibility; EPD; recyclable/ extended producer resp.; biobased materials; recycled content; sourcing of raw materials; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance.

$$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC	+ CAC	= Total Acoustics[1] NRC + CAC	Articulation Class AC	Fire Performance	Light Reflect	Anti-Mold & Mildew Bio-Block	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Durability	Recycled Content	Recycle Program	30-Yr Warranty
CIRRUS® High NRC																
15/16" Square Lay-in	1	**563**	24 x 24 x 7/8"	0.75 •	35 •	BETTER	170 •	Class A	0.85 •	•	•	•	Std	•	•	•
	1	**565**	24 x 48 x 7/8"	0.75 •	35 •	BETTER	170 •	Class A	0.85 •	•	Std	•	Std	•	•	10-Yr
	1	**Other Size Panels**	W: 4" - 24" / L: 4" - 48" 7/8" thick	N/A	N/A	–	–	Class A	0.85 •	•	Std	•	Std	•	•	10-Yr
CIRRUS® Square Lay-in																
15/16" Square Lay-in	1	**574** **574HRC**	24 x 24 x 3/4" 24 x 24 x 3/4"	0.70 •	35 •	BETTER	–	Class A	0.86 •	•	•	•	Std	•	•	•
	1	**533** **533HRC**	24 x 48 x 3/4" 24 x 48 x 3/4"	0.70 •	35 •	BETTER	–	Class A	0.86 •	•	Std	•	Std	•	•	10-Yr
	1	**FastSize™ Panels**	W: 4" - 24" / L: 4" - 48" 3/4" Thick	N/A	N/A	–	–	Class A	0.86 •	•	Std	•	Std	•	•	10-Yr

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product. **GOOD** (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)
HRC items not available in FastSize™ or other sizes.

FS FastSize: Factory-finished, made-to-order sizes, shipped fast (1 carton min.)

SUSPENSION SYSTEMS

15/16"



Prelude®

PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled).

ASTM E1264 Classification
Type III, Form 1, Pattern E I
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications. Excludes items 533, 533HRC, 565, and large sizes.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Acoustical Performance
CAC testing conducted using Prelude XL suspension system.

Primary (Embodied) Energy
See all LCA information on our EPDs.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines. HRC items contain 15% or greater post-consumer recycled ceilings.

Insulation Value
R Factor – 1.9 (BTU units)
R Factor – 0.33 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
533, 565 – 1.21 lbs/SF; 48 SF/ctn
563 – 1.33 lbs/SF; 40 SF/ctn
574 – 1.10 lbs/SF; 48 SF/ctn

Minimum Order Quantity
1 carton

Metric Items Available
574M, 533M, 563M, 565M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

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CIRRUS®
CIRRUS® High NRC

Tegular
medium texture

TOTAL ACOUSTICS®
Sound Absorption (NRC)
+ Sound Blocking (CAC)

10-YEAR REPLACEMENT PANEL AVAILABILITY
584, 589



Cirrus® Beveled Tegular panels with Suprafine® 9/16" suspension system (Pgs. 400-401)



See more photos at:
armstrongceilings.com/photogallery
SEARCH: cirrus

Cirrus panels offer a medium-textured ceiling panel with excellent noise reduction and sound blocking for Total Acoustics® performance in one product.

KEY SELECTION ATTRIBUTES

- Get total noise control and design flexibility with Total Acoustics® ceiling panels: NRC + CAC = Total Acoustics® performance
- Cirrus® panels are part of the Sustain™ portfolio and meet the most stringent sustainability compliance standards today
- Refined visual
- Excellent combination of acoustical performance: NRC (up to 0.75) and CAC (35)
- High NRC items feature Articulation Class (170) helpful to control sound over wall partitions
- Ceiling-2-Ceiling™ post-consumer recycled content options. Items 589HRC, 539HRC, 584HRC, 535HRC. 71% pre-consumer; 15% post-consumer
- USDA-Certified Biobased Product – 94%

TYPICAL APPLICATIONS

- Offices – closed spaces for privacy and confidentiality; open spaces for focus, collaboration, and teaming
- Healthcare – assists in addressing HIPAA, HCAHPS, and FGI acoustical requirements
- Conference rooms
- Lobbies
- Libraries/media centers
- Computer rooms

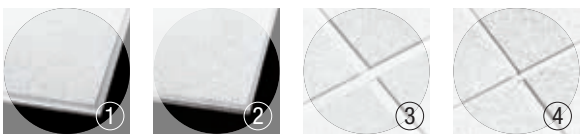
COLORS

Due to printing limitations, shade may vary from actual product.

Items 584 and 589 are available in colors. All other items are available in White only. Colored ceilings are dye-lotted and should be segregated by dye lot. Do not mix.
Colors other than White are not part of the Sustain™ portfolio.

DETAILS

(Other Suspension Systems compatible. Refer to listing on pages 214, 216.)



1. Cirrus® Angled Tegular
2. Cirrus Beveled Tegular
3. Cirrus Angled Tegular with Prelude® 15/16" suspension system
4. Cirrus Beveled Tegular with Suprafine 9/16" suspension system

CIRRUS®
CIRRUS® High NRC

Tegular
medium texture

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

UP TO 73% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD ✓ | recyclable/ extended producer resp. ✓ | biobased materials ✓ | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting ✓ | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC	+ CAC	= Total Acoustics[1] NRC+CAC	Articulation Class AC	Fire Performance	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability	Recycled Content	Recycle Program	30-Yr Warranty
CIRRUS® High NRC										Bio-Block	Humi-Guard+					
15/16" Angled Tegular	13	**556**	24 x 24 x 7/8" ☐	0.75 •	35 •	**BETTER**	170 •	Class A	0.85 •	•	•	•	Std	•	•	•
	13	**551**	24 x 48 x 7/8" ▭	0.75 •	35 •	**BETTER**	170 •	Class A	0.85 •	•	Std	•	Std	•	•	10-Yr
	13	**Other Size Panels**	W: 4" - 24" / L: 4" - 48" 7/8" thick	N/A	N/A	–	N/A	Class A	0.85 •	•	Std	•	Std	•	•	10-Yr
9/16" Beveled Tegular	29, 44, 48, 52, 56	**558**	24 x 24 x 7/8" ☐	0.75 •	35 •	**BETTER**	170 •	Class A	0.85 •	•	•	•	Std	•	•	•
	29, 44, 48, 52, 56	**568**	24 x 48 x 7/8" ▭	0.75 •	35 •	**BETTER**	170 •	Class A	0.85 •	•	Std	•	Std	•	•	10-Yr
	29, 44, 48, 52, 56	**Other Size Panels**	W: 4" - 24" / L: 4" - 48" 7/8" thick	N/A	N/A	–	N/A	Class A	0.85 •	•	Std	•	Std	•	•	10-Yr

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)

SUSPENSION SYSTEMS

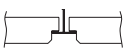
15/16"

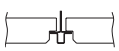

Prelude®

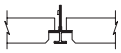
9/16"


Silhouette® 1/4" Reveal


Silhouette 1/8" Reveal


Suprafine® Suprafine XL Fire Guard™


Interlude®


Sonata®

PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled)

ASTM E1264 Classification
Type III, Form 1, Pattern E I
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Acoustical Performance
CAC testing conducted using Silhouette® suspension system.

Primary (Embodied) Energy
See all LCA information on our EPDs.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
R Factor – 1.9 (BTU units)
R Factor – 0.33 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
551 – 1.21 lbs/SF; 48 SF/ctn
556, 558 – 1.50 lbs/SF; 40 SF/ctn
568 – 1.25 lbs/SF; 48 SF/ctn

Minimum Order Quantity
1 carton

Metric Items Available
551M, 558M, 568M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

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CIRRUS®
CIRRUS® High NRC

Tegular
medium texture

CLOSED LOOP RECYCLED CONTENT CEILING•2•CEILING℠

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

UP TO 87% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED® v4: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD ✓ | recyclable/ extended producer resp. ✓ | biobased materials ✓ | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting ✓ | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC	UL Classified Acoustics CAC	Total Acoustics[1] NRC+CAC	Articulation Class	Fire Performance	Light Reflect	Anti-Mold & Mildew Bio-Block	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Durability	Recycled Content	Recycle Program	30-Yr Warranty
CIRRUS® Tegular																
9/16" Beveled Tegular	29, 44, 48, 52, 56	**589_ _◆◆** **589HRC** **589M**	24 x 24 x 3/4" ☐ 24 x 24 x 3/4" 600 x 600 x 19mm	0.70 •	35 •	BETTER	–	Class A	0.86* •	•	•	•	Std	• • •	•	•
	29, 44, 48, 52, 56	**538**	24 x 24 x 7/8" ☐	0.70 •	38 •	BETTER	–	Class A	0.86 •	•	•	•	Std	•	•	•
	29, 44, 48, 52, 56	**577**	24 x 24 x 3/4" ☐	0.35	35 •	–	–	Fire Guard	0.86 •	•	•	•	Std	Std	•	•
	29, 44, 48, 52, 56	**539** **539HRC**	24 x 48 x 3/4" ▭ 24 x 48 x 3/4"	0.70 •	35 •	BETTER	–	Class A	0.86 •	•	Std	•	Std	• •	•	10-Yr
	29, 44, 48, 52, 56	FS **FastSize™ Panels**	W: 4" - 24" / L: 4" - 48" 3/4" thick	N/A	N/A	–	N/A	Class A	0.86 •	•	Std	•	Std	Std	•	10-Yr
CIRRUS Tegular																
15/16" Angled Tegular	13	**584_ _◆◆** **584HRC** **584M**	24 x 24 x 3/4" ☐ 24 x 24 x 3/4" 600 x 600 x 19mm	0.70 •	35 •	BETTER	N/A	Class A	0.86* •	•	•	•	Std	• • •	•	•
	13	**578**	24 x 24 x 3/4" ☐	0.35	35 •	–	N/A	Fire Guard	0.86 •	•	•	•	Std	Std	•	•
	13	**534**	24 x 24 x 7/8" ☐	0.70 •	38 •	BETTER	N/A	Class A	0.86 •	•	•	•	Std	•	•	•
	13	**535** **535HRC**	24 x 48 x 3/4" ▭ 24 x 48 x 3/4"	0.70 •	35 •	BETTER	N/A	Class A	0.86 •	•	Std	•	Std	• •	•	10-Yr
	13	FS **FastSize™ Panels**	W: 4" - 24" / L: 4" - 48" 3/4" thick	N/A	N/A	–	N/A	Class A	0.86 •	•	Std	•	Std	Std	•	10-Yr

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product. **GOOD** (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)

* White only

◆◆ Add 2-letter color suffix to item number when specifying or ordering (e.g., 589 C R).
HRC items not available in FastSize panels or other sizes.

FS **FastSize**: Factory-finished, made-to-order sizes, shipped fast (1 carton min.)

MINERAL FIBER

CIRRUS®
CIRRUS® High CAC

Tegular
medium texture

CLOSED LOOP RECYCLED CONTENT CEILING•2•CEILING℠

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

UP TO 73% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD ✓ | recyclable/ extended producer resp. ✓ | biobased materials ✓ | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting ✓ | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC	UL Classified Acoustics CAC	Total Acoustics[1] NRC+CAC	Articulation Class	Fire Performance	Light Reflect	Anti-Mold & Mildew Bio-Block	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Durability	Recycled Content	Recycle Program	30-Yr Warranty
CIRRUS® High CAC																
15/16" Angled Tegular	13	**572**	24 x 24 x 7/8"	0.70 •	40 •	BETTER	–	Class A	0.86 •	•	•	•	Std	•	•	•
	13	**581**	24 x 48 x 7/8"	0.70 •	40 •	BETTER	–	Class A	0.86 •	•	Std	•	Std	•	•	10-Yr
9/16" Beveled Tegular	29, 44, 48, 52, 56	**576**	24 x 24 x 7/8"	0.70 •	40 •	BETTER	–	Class A	0.86 •	•	•	•	Std	•	•	•
	29, 44, 48, 52, 56	**583**	24 x 48 x 7/8"	0.70 •	40 •	BETTER	–	Class A	0.86 •	•	Std	•	Std	•	•	10-Yr
	13	FS **FastSize™ Panels**	W: 4" - 24" / L: 4" - 48" 3/4" thick	N/A	N/A	–	N/A	Class A	0.86 •	•	Std	•	Std	Std	•	10-Yr

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)
HRC items not available in FastSize panels or other sizes.

FS **FastSize**: Factory-finished, made-to-order sizes, shipped fast (1 carton min.)

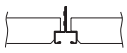
SUSPENSION SYSTEMS

15/16"



Prelude®
Prelude® XL®
Fire Guard™

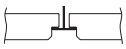
9/16"



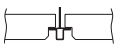
Silhouette® 1/4" Reveal



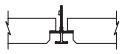
Silhouette 1/8" Reveal



Suprafine®
Suprafine® XL®
Fire Guard™



Interlude®



Sonata®

PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled) Fire Guard™: A fire-resistive ceiling when used in applicable UL assemblies (Class A)

ASTM E1264 Classification
Type III, Form 1, Pattern E I
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications. Excludes items 535, 539, 581, 583.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Acoustical Performance
CAC testing conducted using Silhouette® suspension system.

Primary (Embodied) Energy
See all LCA information on our EPDs.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines. HRC items contain 15% or greater post-consumer recycled ceilings.

Insulation Value
R Factor – 1.9 (BTU units)
R Factor – 0.33 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
534, 538, 572, 576 – 1.38 lbs/SF; 40 SF/ctn
535, 539, 581, 583 – 1.21 lbs/SF; 48 SF/ctn
577, 578 – 1.25 lbs/SF; 48 SF/ctn
584, 589 – 1.06 lbs/SF; 48 SF/ctn

Minimum Order Quantity
1 carton

Metric Items Available
584M, 578M, 534M, 572M, 581M, 535M, 589M, 538M, 577M, 583M, 539M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

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CIRRUS® Profiles

Chamfered, Beveled & Classic Step™ – Tegular medium texture

TOTAL ACOUSTICS®
Sound Absorption (NRC)
+ Sound Blocking (CAC)



Cirrus® Classic Step™ panels with Suprafine® 9/16" suspension system (Pgs. 400-401)

These medium-textured ceiling panels feature Total Acoustics® performance with a variety of dimensional edge details.

KEY SELECTION ATTRIBUTES

- Get total noise control and design flexibility with Total Acoustics® ceiling panels: NRC + CAC = Total Acoustics® performance
- Cirrus® panels are part of the Sustain™ portfolio and meet the most stringent sustainability compliance standards today
- Classic edge details on refined Cirrus texture
- High quality factory-finished edge detail
- Ideal combination of sound absorption and blocking
- USDA-Certified Biobased Product – 94%

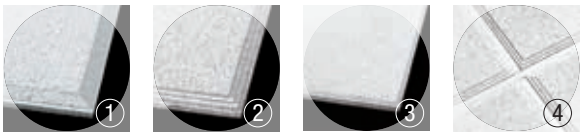
TYPICAL APPLICATIONS

- Offices – closed spaces for privacy and confidentiality; open spaces for focus, collaboration, and teaming
- Lobbies/reception areas
- Public spaces/areas

COLOR

White
(WH)

DETAILS (Other Suspension Systems compatible. Refer to listing on page 234.)



1. Cirrus® Chamfered
2. Cirrus Classic Step
3. Cirrus Beveled Tegular
4. Cirrus Classic Step with Suprafine® 9/16" suspension system

CIRRUS® Profiles

Chamfered, Beveled & Classic Step™ – Tegular
medium texture

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

UP TO 67% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt; regional materials; design for flexibility; EPD; recyclable/extended producer resp.; biobased materials; recycled content; sourcing of raw materials; material ingredient reporting; low emitting/materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)		UL Classified Acoustics NRC	+ CAC	= Total Acoustics[1] NRC + CAC	Fire Performance	Light Reflect	Anti-Mold & Mildew Bio-Block	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Durability	Recycled Content	Recycle Program	30-Yr Warranty
CIRRUS® Profiles Chamfered*																
15/16" Tegular	17	**628**	24 x 24 x 3/4"	☐	0.65	35 •	GOOD	Class A	0.85 •	•	•	•	Std	•	•	•
9/16" Tegular	30	**557**	24 x 24 x 3/4"	☐	0.65	35 •	GOOD	Class A	0.85 •	•	•	•	Std	•	•	•
CIRRUS® Profiles Beveled																
9/16" Tegular	29	**590**	24 x 24 x 3/4"	⊞	0.65	35 •	GOOD	Class A	0.85 •	•	Std	•	Std	•	•	10-Yr
CIRRUS® Profiles Classic Step™																
15/16" Tegular	19	**626**	24 x 24 x 3/4"	⊞	0.65	35 •	GOOD	Class A	0.85 •	•	Std	•	Std	•	•	10-Yr
	18	**591**	24 x 24 x 3/4"	☐	0.65	35 •	GOOD	Class A	0.85 •	•	•	•	Std	•	•	•
9/16" Tegular	31	**591**	24 x 24 x 3/4"	☐	0.65	35 •	GOOD	Class A	0.85 •	•	•	•	Std	•	•	•
	32	**585**	24 x 24 x 3/4"	⊞	0.65	35 •	GOOD	Class A	0.85 •	•	Std	•	Std	•	•	10-Yr

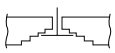
[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)

* Ceiling design copyrighted by AWI Licensing Co.

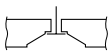
SUSPENSION SYSTEMS

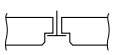
15/16"


Prelude® Chamfered


Prelude Classic Step

9/16"


Suprafine® Chamfered


Suprafine Beveled


Suprafine Classic Step

PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled).

ASTM E1264 Classification
557, 591, 628 – Type III, Form 1, Pattern E I
585, 590, 626 – Type III, Form 1, Pattern E I K
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications. Excludes items 585, 590, 626.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Primary (Embodied) Energy
See all LCA information on our EPDs.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
R Factor – 1.9 (BTU units)
R Factor – 0.33 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
590, 591 – 1.06 lbs/SF; 48 SF/ctn
557, 585, 626, 628 – 1.17 lbs/SF; 48 SF/ctn

Minimum Order Quantity
1 carton

Metric Items Available
628M, 557M, 590M, 591M, 626M, and 585M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

TechLine / 1 877 276-7876
armstrongceilings.com/commercial
(search: cirrus)
BPCS-4016-517

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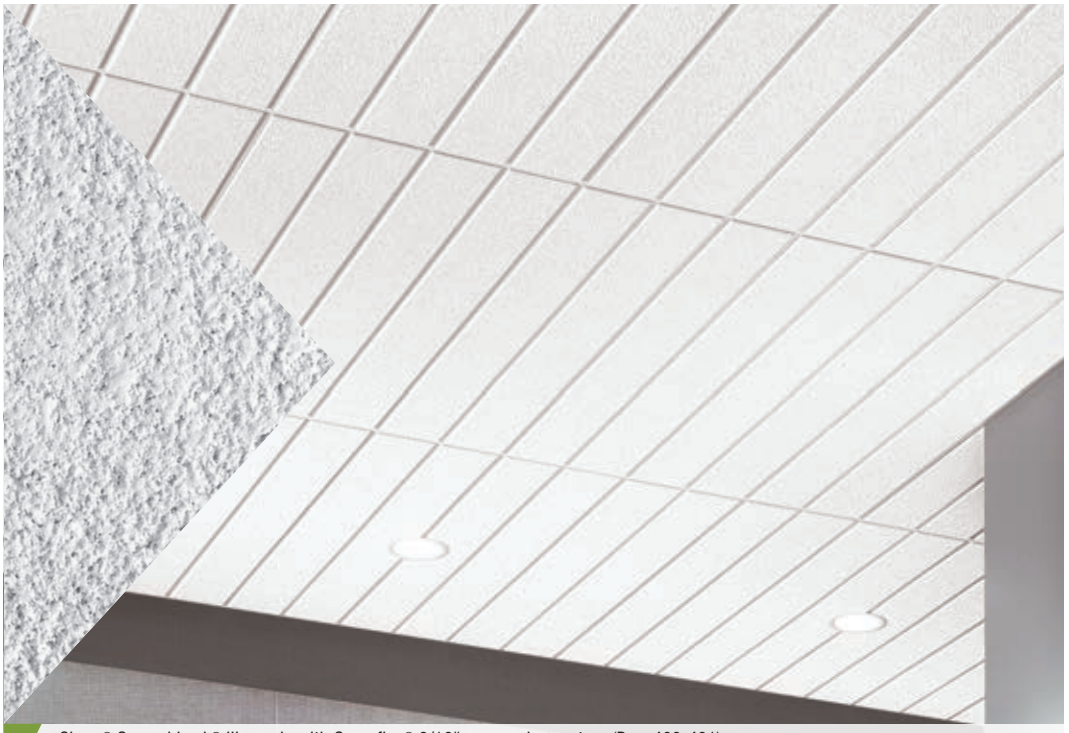
CIRRUS® Second Look®

Scored Tegular
medium texture

TOTAL ACOUSTICS®
Sound Absorption (NRC)
+ Sound Blocking (CAC)



Cirrus® Second Look® III panels with Suprafine® 9/16" suspension system (Pgs. 400-401)



See more photos at:
armstrongceilings.com/photogallery
SEARCH: cirrus

These medium-textured panels, with scored plank visual, provide the noise reduction and sound blocking of Total Acoustics® performance.

KEY SELECTION ATTRIBUTES

- Get total noise control and design flexibility with Total Acoustics® ceiling panels: NRC + CAC = Total Acoustics® performance
- Cirrus® panels are part of the Sustain™ portfolio and meet the most stringent sustainability compliance standards today
- Classic Cirrus texture
- Excellent score line painting for a clean visual
- USDA Certified Biobased Product – 94%

TYPICAL APPLICATIONS

- Offices – closed spaces for privacy and confidentiality; open spaces for focus, collaboration, and teaming
- Healthcare – assists in addressing HIPAA, HCAHPS, and FGI acoustical requirements
- Lobbies/reception areas
- Department stores/retail

FACE VIEW



Cirrus Second Look I panel –
Scoring creates nominal 12" x 12" squares

Cirrus Second Look II panel –
Scoring creates nominal 24" x 24" squares



Cirrus Second Look III panel –
Scoring creates nominal 6" x 48" linear planks

COLOR

White
(WH)

DETAILS (Other Suspension Systems compatible. Refer to listing on page 236)





1. Cirrus® Second Look III
2. Cirrus® Second Look III with Suprafine® 9/16" suspension system

CIRRUS® Second Look®

Scored Tegular
medium texture

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

UP TO 67% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD ✓ | recyclable/ extended producer resp. ✓ | biobased materials ✓ | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting ✓ | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance.

$$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC + CAC =	Total Acoustics[1] NRC + CAC	Fire Performance	Light Reflect	Anti-Mold & Mildew Bio-Block	Sag Resist	Certified Low VOC Emissions	Durability	Recycled Content	Recycle Program	Warranty
CIRRUS® Second Look® I														
15/16" Beveled Tegular	14	**512**	24 x 48 x 3/4"	0.65 + 35 •	GOOD	Class A	0.85 •	•	Std	•	Std	•	•	10-Yr
CIRRUS Second Look II														
9/16" Beveled Tegular	28	**510**	24 x 48 x 3/4"	0.65 + 35 •	GOOD	Class A	0.85 •	•	Std	•	Std	•	•	10-Yr
15/16" Beveled Tegular	14	**513**	24 x 48 x 3/4"	0.65 + 35 •	GOOD	Class A	0.85 •	•	Std	•	Std	•	•	10-Yr
CIRRUS Second Look III														
9/16" Beveled Tegular	28	**511**	24 x 48 x 3/4"	0.65 + 35 •	GOOD	Class A	0.85 •	•	Std	•	Std	•	•	10-Yr
15/16" Beveled Tegular	14	**514**	24 x 48 x 3/4"	0.65 + 35 •	GOOD	Class A	0.85 •	•	Std	•	Std	•	•	10-Yr

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)

SUSPENSION SYSTEMS

15/16" Prelude®

9/16" Suprafine®

PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled).

ASTM E1264 Classification
Type III, Form 1, Pattern E I K
Fire Class A

Humidity/Sag Resistance
Standard performance ceiling panels are recommended where the building is enclosed and the HVAC is continuously functioning.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/ USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Primary (Embodied) Energy
See all LCA information on our EPDs.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
R Factor – 1.9 (BTU units)
R Factor – 0.33 (Watts units)

Design Consideration
Do not mix Cirrus® Second Look® with standard Cirrus items in the same room.

Warranty
Details at armstrongceilings.com

Weight; Square Feet/Carton
1.09 lbs/SF; 48 SF/ctn

Minimum Order Quantity
1 carton

Metric Items Available
512M, 510M, 513M, 511M, 514M –
Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

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CIRRUS® Themes™

Critters™, Leaves™, Stars™, Things That Fly™ & Under the Sea™ – Tegular

medium texture



Cirrus® Themes™ Critters™ panels with Suprafine® 9/16" suspension system (Pgs. 400-401)

Cirrus® Themes™ ceiling panels have a playful design and bring fun to your project.

KEY SELECTION ATTRIBUTES

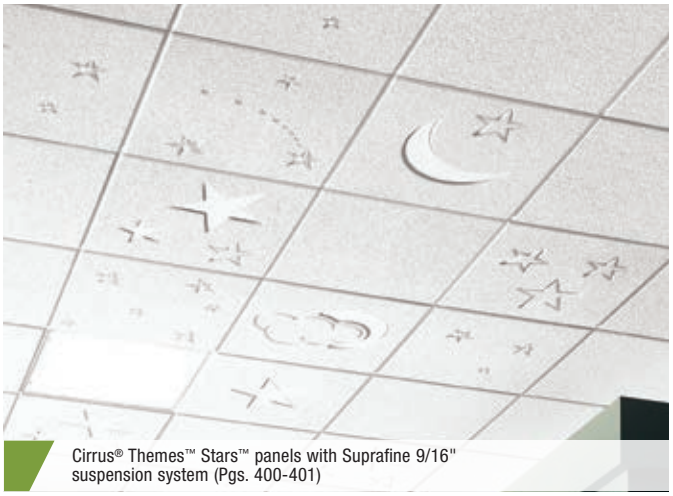
- A variety of lighthearted panel designs on classic Cirrus texture; can be spot-painted
- Coordinating plain panels available
- USDA-Certified Biobased Product – 94%

TYPICAL APPLICATIONS

- Healthcare – assists in addressing HIPAA, HCAHPS, and FGI acoustical requirements
- Pediatric areas
- Lobbies/reception areas
- Specialty shops/stores
- Playful theme interiors

COLOR

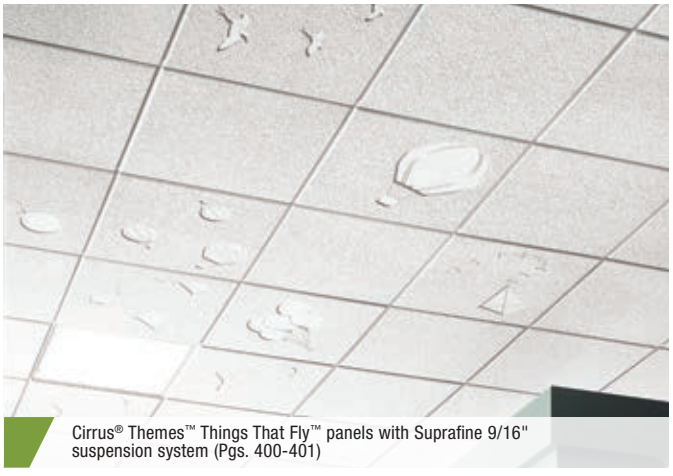
White (WH)



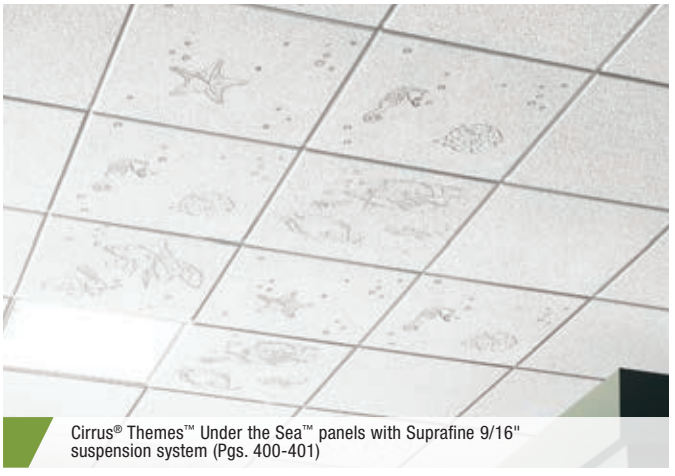
Cirrus® Themes™ Stars™ panels with Suprafine 9/16" suspension system (Pgs. 400-401)



Cirrus® Themes™ Leaves™ panels with Suprafine 9/16" suspension system (Pgs. 400-401)



Cirrus® Themes™ Things That Fly™ panels with Suprafine 9/16" suspension system (Pgs. 400-401)



Cirrus® Themes™ Under the Sea™ panels with Suprafine 9/16" suspension system (Pgs. 400-401)

CIRRUS® Themes™

Critters™, Leaves™, Stars™, Things That Fly™ & Under the Sea™ – Tegular

medium texture

67% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt; regional materials; design for flexibility; EPD; recyclable/ extended producer resp.; biobased materials; recycled content; sourcing of raw materials; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 381-385 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC	+ CAC	= Total Acoustics[1]	Fire Performance	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability	Recycled Content	Recycled Program	Warranty
CIRRUS® Themes™									Bio-Block						
15/16" Angled Tegular	13	**See Below**	24 x 24 x 3/4" ☐	N/A	N/A	_	Class A	0.86 •	•	Std	•	Std	•	•	10-Yr
9/16" Beveled Tegular	29, 44, 48, 52, 56	**See Below**	24 x 24 x 3/4" ☐	N/A	N/A	_	Class A	0.86 •	•	Std	•	Std	•	•	10-Yr

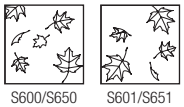
[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.

Cirrus Themes Critters



S500/S550 S501/S551 S502/S552 S503/S553 S510/S560 S512/S562

Cirrus Themes Leaves



S600/S650 S601/S651 S602/S652 S603/S653 S604/S654 S605/S655

Cirrus Themes Stars



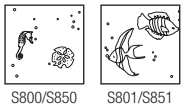
S400/S450 S401/S451 S410/S460 S411/S461 S412/S462 S413/S463 S414/S464 S420/S470 S421/S471

Cirrus Themes Things That Fly



S700/S750 S701/S751 S702/S752 S703/S753 S704/S754 S705/S755 S706/S756 S707/S757 S708/S758

Cirrus Themes Under the Sea



S800/S850 S801/S851 S802/S852 S803/S853 S804/S854 S805/S855

Plain Panel



S299/S295

Must use Item S295 or S299 for Coordinating Plain Panel

Cirrus Themes Critters		Cirrus Themes Leaves		Cirrus Themes Stars		Cirrus Themes Things That Fly		Cirrus Themes Under The Sea	
15/16" Angled Tegular	9/16" Beveled Tegular	15/16" Angled Tegular	9/16" Beveled Tegular	15/16" Angled Tegular	9/16" Beveled Tegular	15/16" Angled Tegular	9/16" Beveled Tegular	15/16" Angled Tegular	9/16" Beveled Tegular
☐ S550	☐ S500	☐ S650	☐ S600	☐ S450	☐ S400	☐ S750	☐ S700	☐ S850	☐ S800
☐ S551	☐ S501	☐ S651	☐ S601	☐ S451	☐ S401	☐ S751	☐ S701	☐ S851	☐ S801
☐ S552	☐ S502	☐ S652	☐ S602	☐ S460	☐ S410	☐ S752	☐ S702	☐ S852	☐ S802
☐ S553	☐ S503	☐ S653	☐ S603	☐ S461	☐ S411	☐ S753	☐ S703	☐ S853	☐ S803
☐ S560	☐ S510	☐ S654	☐ S604	☐ S462	☐ S412	☐ S754	☐ S704	☐ S854	☐ S804
☐ S562	☐ S512	☐ S655	☐ S605	☐ S463	☐ S413	☐ S755	☐ S705	☐ S855	☐ S805
☐ S295	☐ S299	☐ S295	☐ S299	☐ S464	☐ S414	☐ S756	☐ S706	☐ S295	☐ S299
				☐ S470	☐ S420	☐ S757	☐ S707		
				☐ S471	☐ S421	☐ S758	☐ S708		
				☐ S295	☐ S299	☐ S295	☐ S299		

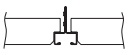
SUSPENSION SYSTEMS

15/16"

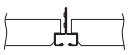


Prelude®

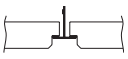
9/16"



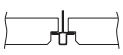
Silhouette® 1/4" Reveal



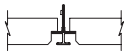
Silhouette 1/8" Reveal



Suprafine®



Interlude® XL® HRC



Sonata® XL®

PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

ASTM E1264 Classification
Type III, Form 1, Pattern E I K Z
(scored multi-patterned finish)
S299, S295 – Type III, Form 1, Pattern E I
Fire Class A

Humidity/Sag Resistance
Standard performance ceiling panels are recommended where the building is enclosed and the HVAC is continuously functioning.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
R Factor – 1.9 (BTU units)
R Factor – 0.33 (Watts units)

Warranty
Details at armstrongceilings.com

Weight; Square Feet/Carton
All design panels – 1.38 lbs/SF; 8 SF/ctn
S295 – 1.09 lbs/SF; 48 SF/ctn
S299 – 1.17 lbs/SF; 48 SF/ctn

Minimum Order Quantity
1 carton

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CLEAN ROOM™ FL/ CLEAN ROOM™ VL & VL

Square Lay-in & Tegular
smooth texture

10-YEAR REPLACEMENT PANEL AVAILABILITY

1715, 1716, 1720, 1721



Clean Room™ FL panels with Clean Room 15/16" suspension system (Pg. 382)



Clean Room VL panels with Clean Room 1-1/2" suspension system (Pg. 382)



VL panels with Prelude® 15/16" suspension system (Pgs. 391-392)

Clean Room™ panels meet guidelines for controlled environments and USDA/FSIS guidelines.

KEY SELECTION ATTRIBUTES

- Clean Rooms up to ISO Class 5 (Class 100) (excludes items 869, 871)
- Excellent sound blocking CAC (35-40)
- Durable – Washable, Scrubbable, Water-repellant, Impact-resistant, Scratch-resistant, Soil-resistant
- Non-directional visual reduces scrap and installation time
- 30-Year Limited System Warranty against visible sag, mold, and mildew

TYPICAL APPLICATIONS

Clean Room FL, Clean Room VL

- Clean Rooms
- Kitchens/food preparation areas
- Laboratories
- Healthcare
  - Patient rooms
  - Treatment rooms
  - Semi-restricted surgical areas
  - Emergency rooms

VL (Perforated)

- Lavatories/restrooms
- Utility Rooms

COLORS

White (WH) (Clean Room VL & VL)



White with Gray Spatter (Clean Room FL)

DETAILS (Other Suspension Systems compatible. Refer to listing on page 240.)



1. Clean Room FL
2. Clean Room VL
3. VL
4. Clean Room FL with 15/16" suspension system
5. Clean Room VL with 1-1/2" suspension system

CLEAN ROOM™ FL/ CLEAN ROOM™ VL & VL

Square Lay-in & Tegular
smooth texture

UP TO 76% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED® ✓ energy management ✓ construction waste mgmt ✓ regional materials ✓ design for flexibility ✓ EPD ✓ recyclable/ extended producer resp. ✓ biobased materials ✓ recycled content ✓ sourcing of raw materials ✓ material ingredient reporting ✓ low emitting/ materials ✓ lighting quality ✓ acoustics

▲ LOCATION DEPENDENT

VISUAL SELECTION

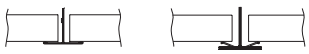
PERFORMANCE SELECTION
Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC	CAC	Total Acoustics[1]	Fire Performance	Light Reflect	Anti-Mold & Mildew RH90	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Water Repel	Wash	Scrub	Impact	Scratch	Soil	Recycled Content	Recycle Program	30-Yr Warranty
Clean Room™ FL Field Panel												Durability								
15/16" or 1-1/2" Square Lay-in	1, 6, 7	**1715**	24 x 24 x 3/4"	0.55	35 •	–	Class A	0.79	•	•	•	•	•	•	•	•	•	•	–	•
	1, 6, 7	**1716**	24 x 48 x 3/4"	0.55	35 •	–	Class A	0.79	•	•	•	•	•	•	•	•	•	•	–	•
Clean Room™ FL Border Panel																				
15/16" or 1-1/2" Square Lay-in	1, 6, 7	**1720**	24 x 24 x 5/8"	N/A	35 •	–	Class A	0.79	•	•	–	•	•	•	•	•	•	Std	–	•
	1, 6, 7	**1721**	24 x 48 x 5/8"	N/A	35 •	–	Class A	0.79	•	•	–	•	•	•	•	•	•	Std	–	•
	1, 6, 7	**Other Size Panels**	W: 24" / L: 24" – 48" 5/8" Thick	N/A	N/A	–	Class A	0.79	•	•	–	•	•	•	•	•	•	Std	–	•
Clean Room™ VL Unperforated																				
15/16" or 1-1/2" Square Lay-in	1, 6, 7	**868**	24 x 24 x 5/8"	N/A	40 •	–	Fire Guard™	0.80	•	•	–	•	•	•	•	•	•	Std	–	•
	1, 6, 7	**870**	24 x 48 x 5/8"	N/A	40 •	–	Fire Guard	0.80	•	•	–	•	•	•	•	•	•	Std	–	•
VL Perforated (Not for Clean Rooms)																				
15/16" or 1-1/2" Square Lay-in	1	**869**	24 x 24 x 5/8"	0.55	35 •	–	Fire Guard	0.78	•	•	–	–	•	•	•	•	•	Std	–	•
	1	**871**	24 x 48 x 5/8"	0.55	35 •	–	Fire Guard	0.78	•	•	–	–	•	•	•	•	•	Std	–	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product. Also see Optima® Health Zone™ and Ultima® Health Zone™ for use in Clean Rooms.

SUSPENSION SYSTEMS

15/16"



Prelude®
Prelude® Plus XL® Aluminum
Prelude® XL® Fire Guard™

Clean Room™
(Steel or Aluminum)

1-1/2"



Clean Room
(Steel or Aluminum)

NOTE: Clean Room Class 5 (Class 100) UL Classified for Acoustics on 15/16" suspension system only.

PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
1715, 1716, 1720, 1721 – Soil-resistant polyester film
868, 870, 869, 871 – Vinyl-faced membrane

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled). Fire Guard™: A fire-resistive ceiling when used in applicable UL assemblies (Class A).

ASTM E1264 Classification
1715, 1716, 1720, 1721 – Type IV, Form 2, Pattern G H
868, 870, – Type IV, Form 2, Pattern E
869, 871 – Type IV, Form 2, Pattern C E
Fire Class A

Mold & Mildew Protection
Clean Room ceiling panels resist the growth of mold and mildew

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

VOC Emissions
(Excludes FL Border and VL Panels) Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
R Factor – 1.5 (BTU units)
R Factor – 0.26 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
1715 – 1.02 lbs/SF; 48 SF/ctn
1716 – 1.02 lbs/SF; 64 SF/ctn
1720 – 1.04 lbs/SF; 48 SF/ctn
1721 – 1.17 lbs/SF; 64 SF/ctn
868, 869 – 1.10 lbs/SF; 48 SF/ctn
870, 871 – 1.11 lbs/SF; 64 SF/ctn

NOTE: For assistance on proper Clean Room installation, contact TechLine at 1 877 276-7876.

Minimum Order Quantity:
1 carton, excludes other size panels.

Metric Items Available
1715M, 1716M, 1720M, 1721M, 868M, 870M, 869M, 871M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

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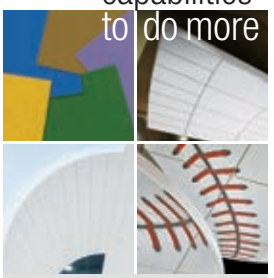
COLORATIONS® Colors

Integrated Color Ceiling Systems

CALLA® & LYRA® Ceiling Panels, SUPRAFINE® Suspension Systems and AXIOM® Trim



Calla® Square Tegular panels with Suprafine® 9/16" suspension system (Pgs. 400-401)



plus... capabilities to do more

armstrongceilings.com/capabilities

See more photos at: armstrongceilings.com/photogallery

Colorations® colors allow integration of ceiling panels, suspension systems and trim.

KEY SELECTION ATTRIBUTES

- Colorations Colors Ceiling Panels Product Family:
  - Smooth surface, high performance Calla® and Lyra® ceiling panels (Pgs. 203-204 and 255-260)
  - Suprafine® XL® 9/16" suspension systems (Pgs. 373-374)
  - Axiom® Trim (Pgs. 386-401)
- 13 standard or your choice of Sherwin-Williams® colors
- Monoithic visual
- SoundScapes® Acoustical Canopies, SoundScapes Shapes Acoustical Clouds and SoundScapes Blades™ also available in Colorations® Colors

COLORATIONS® COLORS*

Due to printing limitations, shade may vary from actual product.



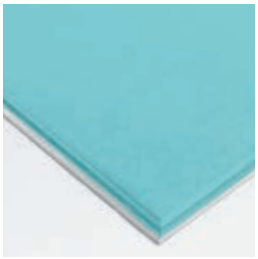
* Colorations colors are not included in the Sustain™ portfolio of products

COLORATIONS® Colors

Integrated Color Ceiling Systems

CALLA® & LYRA® Ceiling Panels, SUPRAFINE® Suspension Systems and AXIOM® Trim

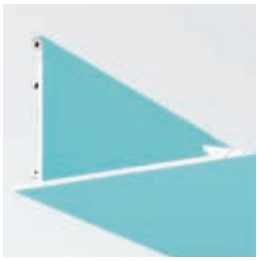
COLORATIONS® INTEGRATED COLOR – PANELS, SUSPENSION SYSTEMS, AND TRIM



Calla® and Lyra® Ceiling Panels



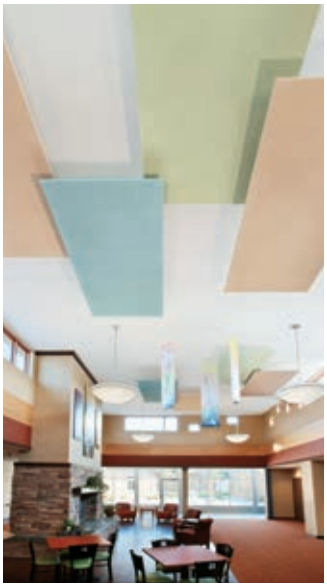
Suprafine® XL® Suspensions Systems



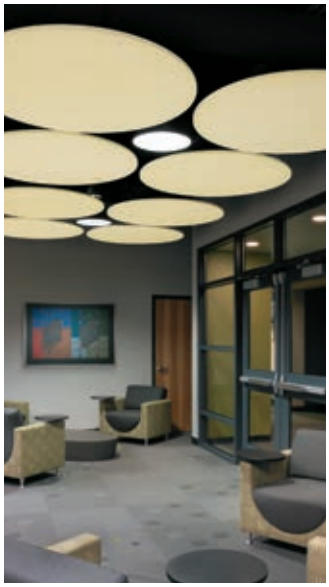
Axiom® Trim



LOOK FOR COLORATIONS® STANDARD COLORS ON THESE PRODUCTS



SoundScapes® Canopies



SoundScapes® Shapes



SoundScapes® Blades™



Infusions® Accent Canopies

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CORTEGA®/CORTEGA® Second Look®

Square Lay-in & Tegular
medium texture



Cortega® Angled Tegular panels with Prelude® 15/16" suspension system (Pgs. 391-392)



Cortega® Second Look® II panels with Suprafine® 9/16" suspension system (Pgs. 400-401)

Cortega® panels offers a medium-textured, economical solution with standard acoustical absorption.

KEY SELECTION ATTRIBUTES

- Economical
- Non-directional visual reduces scrap and installation time (excludes Second Look® items)
- Geometric Scored Visuals (Second Look items)

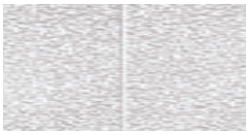
TYPICAL APPLICATIONS

- Storage and supply rooms
- Discount stores
- Utility Rooms

FACE VIEW



Cortega Second Look I panels –
Scoring creates nominal 12" x 12" squares



Cortega Second Look II panels –
Scoring creates nominal 24" x 24" squares

COLORS

Colored ceilings are dye-lotted and should be segregated by dye lot. Do not mix.

White (WH)

Tech Black (BL) Item 769

DETAILS

(Other Suspension Systems compatible. Refer to listing on page 244.)



1. Cortega Square Lay-in
2. Cortega Beveled Tegular
3. Cortega Second Look
4. Cortega Lay-in with Prelude 15/16" suspension system
5. Cortega Beveled Tegular with Suprafine 9/16" suspension system

UP TO 43% CORTEGA 55% CORTEGA 2nd LOOK RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD ✓ | recyclable/ extended producer resp. ✓ | biobased materials | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting ✓ | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

CORTEGA®/CORTEGA® Second Look®

Square Lay-in & Tegular
medium texture

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance. $$$$

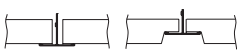
Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No. ◆	Dimensions (Inches)	UL Classified Acoustics NRC	+ CAC	= Total Acoustics[1]	Fire Performance	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability	Recycled Content	Recycled Program	Warranty
CORTEGA® Square Lay-in															
15/16" Square Lay-in	1	**770** **770M**	24 x 24 x 5/8" 600 x 600 x 15mm	0.55	33	–	Class A	0.82	–	Std	•	Std	Std	•	1-Yr
	1	**824** **824M**	24 x 24 x 5/8"	0.55	35 •	–	Fire Guard™	0.82	–	Std	•	Std	Std	•	1-Yr
	1	**769 _ _** ◆ **769M**	24 x 48 x 5/8" 600 x 1200 x 15mm	0.55	35 •	–	Class A	0.82	–	Std	•	Std	Std	•	1-Yr
	1	**823** **823M**	24 x 48 x 5/8"	0.55	35 •	–	Fire Guard	0.82	–	Std	•	Std	Std	•	1-Yr
	1	**747**	24 x 48 x 5/8"	0.55	40 •	–	Class A	0.82	–	Std	•	Std	Std	•	1-Yr
	1	**773** **773M**	20 x 60 x 5/8" 500 x 1500 x 15mm	0.55	35 •	–	Class A	0.82	–	Std	•	Std	Std	•	1-Yr
	1	**772** **772M**	24 x 60 x 5/8" 600 x 1500 x 15mm	0.55	35 •	–	Class A	0.82	–	Std	•	Std	Std	•	1-Yr
	1	**Other Size Panels**	W: 12" – 30" / L: 18" – 72" 5/8" Thick	N/A	N/A	–	Class A	0.82	–	Std	•	Std	Std	•	1-Yr
CORTEGA Tegular															
15/16" Angled Tegular	12	**704** **704M**	24 x 24 x 5/8" 600 x 600 x 15mm	0.55	33	–	Class A	0.82	–	Std	•	Std	Std	•	1-Yr
	12	**816**	24 x 24 x 5/8"	0.55	35 •	–	Fire Guard	0.82	–	Std	•	Std	Std	•	1-Yr
	12	**703** **703M**	24 x 48 x 5/8"	0.55	35 •	–	Class A	0.82	–	Std	•	Std	Std	•	1-Yr
9/16" Beveled Tegular	29, 44, 48, 52, 56	**2195** **2195M**	24 x 24 x 5/8"	0.55	35* •	–	Class A	0.82	–	Std	•	Std	Std	•	1-Yr
	29, 44, 48, 52, 56	**Other Size Panels**	W: 12" – 30" / L: 18" – 72" 5/8" Thick	N/A	N/A	–	Class A	0.82	–	Std	•	Std	Std	•	1-Yr
CORTEGA® Second Look® I															
15/16" Angled Tegular	11	**2765**	24 x 48 x 3/4"	0.55	35 •	–	Class A	0.82	–	Std	•	Std	Std	•	1-Yr
CORTEGA Second Look II															
15/16" Angled Tegular	11	**2758**	24 x 48 x 3/4"	0.55	40 •	–	Fire Guard	0.82	–	Std	•	Std	•	•	1-Yr
	11	**2767**	24 x 48 x 3/4"	0.55	35 •	–	Class A	0.82	–	Std	•	Std	•	•	1-Yr
9/16" Angled Tegular	27	**2776**	24 x 48 x 3/4"	0.55	30	–	Class A	0.82	–	Std	•	Std	•	•	1-Yr

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product. ◆ Add 2-letter color suffix to item number when specifying or ordering (e.g., 769 B L).

SUSPENSION SYSTEMS

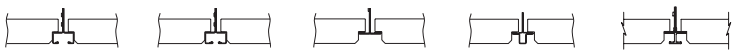
* Item 2195 – CAC 31 on 9/16" Silhouette®.

15/16"



Prelude®, Prelude® XL® Fire Guard™

9/16"



Silhouette® 1/4" | Silhouette® 1/8" | Suprafine® | Interlude® XL HRC | Sonata® XL

NOTE: 9/16" Cortega Second Look items are installed using Suprafine® suspension systems only.

PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled). Fire Guard: A fire-resistive ceiling when used in applicable UL assemblies (Class A).

ASTM E1264 Classification
Type III, Form 2, Pattern C D

Humidity/Sag Resistance
Standard performance ceiling panels are recommended where the building is enclosed and the HVAC is continuously functioning.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol. (Excludes 769BL)

Primary (Embodied) Energy
See all LCA information on our EPD's.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
2195, 704, 816, 703 – R Factor – 1.6 (BTU units); R Factor – 0.28 (Watts units)
770, 772, 769, 773, 823, 824 – R Factor – 1.5 (BTU units); R Factor – 0.26 (Watts units)
747, 2765, 2758, 2767, 2776 – R Factor – 1.5 (BTU units); R Factor – 0.26 (Watts units)

Weight; Square Feet/Carton
769 – 0.61 lbs/SF; 96 SF/ctn
704, 2195 – 0.63 lbs/SF; 64 SF/ctn
772, 773 – 0.63 lbs/SF; 100 SF/ctn
703 – 0.65 lbs/SF; 80 SF/ctn
770 – 0.69 lbs/SF; 64 SF/ctn
816 – 1.08 lbs/SF; 48 SF/ctn
823 – 1.09 lbs/SF; 48 SF/ctn
747, 824 – 1.09 lbs/SF; 64 SF/ctn
2765, 2767 – 0.73 lbs/SF; 80 SF/ctn
2758 – 1.26 lbs/SF; 64 SF/ctn
2776 – 0.70 lbs/SF; 80 SF/ctn

Minimum Order Quantity
1 carton, excludes other size panels.

Metric Items Available
770M, 824M, 769M, 773M, 772M, 2195M, 704M, 703M, 823M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

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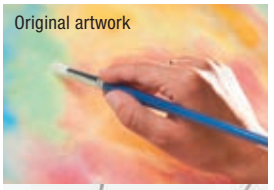
CREATE!™
ULTIMA®, ULTIMA® Health Zone™, OPTIMA®

Square Lay-in, Tegular & Vector®
fine texture

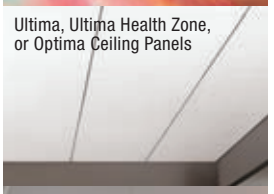
TOTAL ACOUSTICS®
Sound Absorption (NRC)
+ Sound Blocking (CAC)



Ultima® Create!™ Vector® panels with Prelude® 15/16" suspension system (Pgs. 391-392)



Original artwork

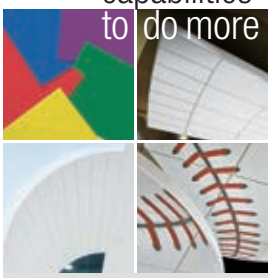


Ultima, Ultima Health Zone, or Optima Ceiling Panels



Custom wall-to-wall ceilings or floating clouds

plus... capabilities to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Create!™ custom images are available on Ultima, Ultima® Health Zone™, and Optima® panels. Great acoustics have never been so colorful!

KEY SELECTION ATTRIBUTES

- Get total noise control and design flexibility with Total Acoustics® ceiling panels: NRC + CAC = Total Acoustics® performance
- Artistic designs have broad appeal and complement unique interior design
- Mix and match designs with standard Ultima, Ultima Health Zone, and Optima
- Excellent sound absorption – NRC 0.70 – 0.90
- The high performance benefits of Ultima or Optima fine-textured ceilings:
  - Washable, Soil-resistant (Ultima, Optima)
  - Water-repellent (Ultima Health Zone)
- Product is directional
- Custom samples available
- Can contribute to LEED® credits

TYPICAL APPLICATIONS

- Classrooms
- Libraries/media centers
- Lobbies/reception areas
- Retail
- Restaurant

CREATE YOUR OWN UNIQUE, CUSTOM CEILING VISUAL USING COLOR AND ARTWORK

Original Artwork Guidelines:

- Artwork must be vector-based
- Acceptable file types:
  - Adobe® Illustrator® – .ai
  - Encapsulated PostScript – .eps
  - Scalable Vector Graphics – .svg
- Acceptable Color Mode: CMYK

Original Digital Image Requirements:

- Image must be 150 dpi at full print size
- Acceptable file types:
  - Joint Photographic Experts Group – .jpg
  - Tagged Image File Format – .tiff

Solid Color Requirements:

- Custom colors are available
- RAL® classic colors available on suspension systems and perimeter trims

CREATE!™
ULTIMA®, ULTIMA® Health Zone™, OPTIMA®

Square Lay-in, Tegular & Vector®
fine texture

THEMES – AVAILABLE ON ULTIMA®, ULTIMA® HEALTH ZONE™, OPTIMA® CREATE!™ PANELS

Blooms



Single Panel
Design 021



4-Panel Design
Design 022 (Add A, B, C, or D for individual panel order)

Dragonflies

Single Panel
Design 051



4-Panel Design
Design 052 (Add A, B, C, or D for individual panel order)

Stars



Single Panel
Design 041



Single Panel
Design 042



Single Panel
Design 043

Bubbles



Single Panel
Design 011



Single Panel
Design 012



Single Panel
Design 013

WOOD LOOKS – AVAILABLE ON ULTIMA HEALTH ZONE CREATE! SQUARE LAY-IN PANELS

Due to printing limitations, shade may vary from actual product.



Bamboo (BA)



Barnwood (BW)



Light Cherry (LC)



Oak (OK)



Walnut (WN)

COLOR REFERENCE CHART

Choose from the standard colors shown on the front of Create! 6" x 6" submittal samples. Keep in mind, sheen varies slightly depending on base panel selection (Ultima, Ultima Health Zone, Optima). Custom colors available.



Optima® Create!™ Vector® panels with Prelude® XL® suspension system



Ultima® Create!™ Vector® panels in Oak Wood Looks with Prelude® XL® suspension system

CREATE!™ – ULTIMA®, ULTIMA Health Zone™, OPTIMA®

Square Lay-in, Tegular & Vector® fine texture

UP TO 76% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED® ▲ LOCATION DEPENDENT

energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
✓	✓	✓	✓	✓	✓		✓	✓		✓	✓	✓

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance. $$$$

Edge Profile / Suspension System	Item No. ◆	Dimensions (Inches)	NRC	CAC	Total Acoustics[1] NRC + CAC	Fire Performance	Anti-Mold & Mildew (Bio-Block)	Sag Resist (Humi-Guard+)	Water Repel (Durability)	Wash (Durability)	Soil (Durability)	Recycled Content	Recycle Program	30-Yr Warranty
ULTIMA® or OPTIMA® Create!™ Square Lay-in														
for 15/16" Prelude® XL®	**Z1910UC1**	24 x 24 x 3/4" ☐	0.75 •	35 •	BETTER	Class A	•	•	–	•	•	•	•	•
	Z33520C1	24 x 24 x 1" ☐	0.90 •	26	–	Class A	•	•	–	•	•	•	•	•
ULTIMA Create! Tegular														
for 9/16" Silhouette® XL® ONLY; 1/4" or 1/8" Reveal	**Z1912UC1**	24 x 24 x 3/4" ☐	0.75 •	35 •	BETTER	Class A	•	•	–	•	•	•	•	•
ULTIMA® or OPTIMA® Create!™ Vector®														
for 15/16" Prelude XL (White only)	**Z1920UC1**	24 x 24 x 3/4" ☐	0.70 •	33	–	Class A	•	•	–	•	•	•	•	•
	Z39010C1	24 x 24 x 7/8" ☐	0.80 •	26	–	Class A	•	•	–	•	•	•	•	•
ULTIMA® Health Zone™ Create!™ Square Lay-in							Bio-Block+							
for 15/16" Prelude XL	**Z1935UC1_ _◆**	24 x 24 x 3/4" ☐	0.70 •	38 •	BETTER	Class A	•	•	•	•	•	•	•	•
ULTIMA® Health Zone™ Create!™ Tegular														
for 9/16" Silhouette XL ONLY; 1/4" or 1/8" Reveal	**Z1936UC1**	24 x 24 x 3/4" ☐	0.70 •	38 •	BETTER	Class A	•	•	•	•	•	•	•	•

NOTE: Replacement panels may vary slightly in color due to material variations over time. Product could have slight color variation from run to run; adequate attic stock should be ordered. Ultima Health Zone ceilings have different scrim surface than Ultima or Optima which may affect color.

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product. **GOOD** (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+) Based on image/color coverage, NRC may vary slightly.

◆ Add 2-letter color suffix to item when specifying or ordering standard Wood Looks items. (e.g., Z1935UC1 L C)

SUSPENSION SYSTEMS AND EDGE DETAILS



1/4"

Vector® Panel and Prelude® XL®
(White suspension required for Vector)



9/16"

Tegular Panel and Silhouette® XL® 1/4" Reveal



9/16"

Tegular Panel and Silhouette® XL® 1/8" Reveal



15/16"

Lay-in Panel and Prelude® XL® or 360° Painted Grid

COLORS



RAL® Colors Available on Suspension Systems and Perimeter Trims

PHYSICAL DATA

Material
Ultima®/Ultima® Health Zone: Wet-formed mineral fiber
Optima: Fiberglass with DuraBrite® acoustically transparent membrane with CAC-backing

Surface Finish
Factory-applied latex paint with UV printing

Fire Performance
ASTM E84 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

ASTM E1264 Classification
Ultima/Ultima Health Zone: Type III, Form 2, Pattern E
Optima: Type XII, Form 2, Pattern E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew. Health Zone ceiling panels with BioBlock® Plus performance also resist odor and stain causing bacterial growth.

Acoustical Performance
CAC testing conducted using Silhouette® suspension system.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
Ultima/Ultima Health Zone:
R Factor – 1.6 (BTU units)
R Factor – 0.28 (Watts units)
Optima:
R Factor – 4.0 (BTU units)
R Factor – 0.70 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. 1-year limited warranty on color. Details at armstrongceilings.com

Weight; Square Feet/Carton
Ultima/Ultima Health Zone: 1.05 lbs/SF; 16 SF/ctn
Optima: 0.55 lbs/SF; 16 SF/ctn

Minimum Order Quantity:
1 carton

TechLine / 1 877 276-7876
armstrongceilings.com/commercial
(search: create)

BPCS-4949-517

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Armstrong® CEILING & WALL SOLUTIONS

DESIGNER™

Square Lay-in, Tegular
coarse texture

UP TO 42% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
	✓	✓	✓	✓		✓		✓	✓			✓	

▲ LOCATION DEPENDENT

$$$$



Designer™ Lay-in panels with Prelude® 15/16" suspension system (Pgs. 391-392)

Designer™ panels offer a coarse-textured visual with standard absorption in an economical ceiling panel.

KEY SELECTION ATTRIBUTES

- Standard sound absorption
- Cost-effective

TYPICAL APPLICATIONS

- Utility rooms
- Discount stores
- Supply and storage rooms

COLOR

White (WH)

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)		UL Classified Acoustics NRC	+ CAC	= Total Acoustics[1]	Fire Performance	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability	Recycled Content	Recycle Program	Warranty
DESIGNER Square Lay-in																
15/16" Square Lay-in	1	**735**	24 x 24 x 5/8"	□	0.55	30	–	Class A	0.81	–	Std	–	Std	Std	•	1-Yr
	1	**734**	24 x 48 x 5/8"	▭	0.55	30	–	Class A	0.81	–	Std	–	Std	Std	•	1-Yr
DESIGNER Tegular																
15/16" Angled Tegular	13	**737**	24 x 24 x 5/8"	□	0.55	33	–	Class A	0.81	–	Std	–	Std	Std	•	1-Yr

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.

SUSPENSION SYSTEMS

15/16"



Prelude

PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
Class A: Flame Spread Index 25 or less (UL labeled) per ASTM E1264

ASTM E1264 Classification
Type III, Form 2, Pattern F
Fire Class A

Humidity/Sag Resistance
Standard performance ceiling panels are recommended where the building is enclosed and the HVAC is continuously functioning.

Insulation Value
R Factor – 1.5 (BTU units)
R Factor – 0.26 (Watts units)

Warranty
Details at armstrongceilings.com

Weight; Square Feet/Carton
734 – 0.80 lbs/SF; 80 SF/ctn
735, 737 – 0.80 lbs/SF; 64 SF/ctn

Minimum Order Quantity
1 carton

Metric Items Available
735M, 734M, 737M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

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DUNE™

Square Lay-in & Tegular
fine texture

10-YEAR REPLACEMENT PANEL AVAILABILITY

1772, 1773, 1774, 1775, 1776



Dune™ Square Lay-in panels with Prelude® XL® 15/16" suspension system
(Pgs. 391-392)



Dune Tegular panels with Interlude® XL HRC 9/16" suspension system
(Pgs. 385-386)

This durable, fine-textured panel offers a non-directional visual.

KEY SELECTION ATTRIBUTES

- Upgrade look at a modest price
- Ceiling-2-Ceiling™ Post-consumer Recycled Content options: Items 1773HRC, 1774HRC, 1775HRC, 1776HRC, 1777HRC (check armstrongceilings.com/greengenie)
- USDA-Certified Biobased Product – 100%
- Durable – Scratch-resistant
- Non-directional visual reduces scrap and installation time
- 30-Year Limited System Warranty against visible sag (excludes items 1796 and 1798), mold and mildew

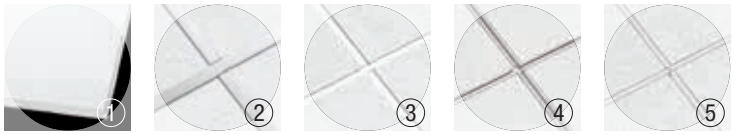
TYPICAL APPLICATIONS

- Offices
- Corridors
- Retail
- Hospitality

COLOR

White
(WH)

DETAILS (Other Suspension Systems compatible. Refer to listing on page 250)



1. Dune™ Tegular
2. Dune™ Square Lay-in with Prelude 15/16" suspension system
3. Dune™ Tegular with Suprafine® 9/16" suspension system
4. Dune™ Tegular with Silhouette® XL® 9/16" suspension system with 1/4" reveal
5. Dune™ Tegular with Interlude® XL® HRC 9/16" suspension system

DUNE™

Square Lay-in & Tegular
fine texture

CLOSED LOOP RECYCLED CONTENT
CEILING•2•CEILING

UP TO 56% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD ✓ | recyclable/ extended producer resp. ✓ | biobased materials ✓ | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting ✓ | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC	+ CAC	= Total Acoustics[1]	Fire Performance	Light Reflect	Anti-Mold & Mildew (Bio-Block)	Sag Resist (Humi-Guard+)	Certified Low VOC Emissions	Scratch (Durability)	Recycled Content	Recycle Program	30-Yr Warranty
DUNE™ Square Lay-in															
15/16" Square Lay-in	1	**1772**	24 x 24 x 5/8"	0.50	30	–	Class A	0.83 •	•	•	•	•	Std	•	•
	1	**1850**	24 x 24 x 5/8"	0.50	35 •	–	Fire Guard™	0.83 •	•	•	•	•	Std	•	•
	1	**1773** **1773HRC**	24 x 48 x 5/8"	0.50	30	–	Class A	0.83 •	•	•	•	•	Std •	•	•
	1	**1851**	24 x 48 x 5/8"	0.50	35 •	–	Fire Guard	0.83 •	•	•	•	•	Std	•	•
	1	**1796**	20 x 60 x 3/4"	0.50	35 •	–	Class A	0.83 •	•	Std	•	•	•	•	1-Yr
	1	**1798**	30 x 30 x 3/4"	0.50	35 •	–	Class A	0.83 •	•	Std	•	•	•	•	1-Yr
	1	**Other Size Panels**	W: 12" – 30" / L: 18" – 72" 5/8" or 3/4" Thick	N/A	N/A	–	Class A	0.83 •	•	Std	•	•	Std	•	1-Yr
DUNE Tegular															
15/16" Angled Tegular	12	**1774** **1774HRC**	24 x 24 x 5/8" 24 x 24 x 5/8"	0.50	35 •	–	Class A	0.83 •	•	•	•	•	Std •	•	•
	12	**1853**	24 x 24 x 5/8"	0.50	35 •	–	Fire Guard	0.83 •	•	•	•	•	Std	•	•
	12	**1776** **1776HRC**	24 x 48 x 5/8" 24 x 48 x 5/8"	0.50	35 •	–	Class A	0.83 •	•	•	•	•	Std •	•	•
	12	**Other Size Panels**	W: 12" – 30" / L: 18" – 72" 5/8" Thick	N/A	N/A	–	Class A	0.83 •	•	Std	•	•	Std	•	1-Yr
9/16" Beveled Tegular	29, 44, 48, 52, 56	**1775** **1775HRC**	24 x 24 x 5/8" 24 x 24 x 5/8"	0.50	35 •	–	Class A	0.83 •	•	•	•	•	Std •	•	•
	29, 44, 48, 52, 56	**1852**	24 x 24 x 5/8"	0.50	35 •	–	Fire Guard	0.83 •	•	•	•	•	Std	•	•
	29, 44, 48, 52, 56	**1777** **1777HRC**	24 x 48 x 5/8" 24 x 48 x 5/8"	0.50	35 •	–	Class A	0.83 •	•	•	•	•	Std •	•	•
	29, 44, 48, 52, 56	**Other Size Panels**	W: 12" – 30" / L: 18" – 72" 5/8" Thick	N/A	N/A	–	Class A	0.83 •	•	Std	•	•	Std	•	1-Yr

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.

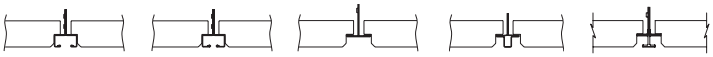
SUSPENSION SYSTEMS

15/16"



Prelude®
Prelude® XL®
Fire Guard

9/16"



Silhouette® 1/4" Reveal
Silhouette 1/8" Reveal
Suprafine®
Suprafine® XL®
Fire Guard™
Interlude®
Sonata®

PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled). Fire Guard™: A fire-resistive ceiling when used in applicable UL assemblies (Class A).

ASTM E1264 Classification
Type III, Form 2, Pattern C E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications. Excludes items 1796, 1798, and large other size panels.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

Acoustical Performance
CAC testing conducted using Silhouette® suspension system.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Primary (Embodied) Energy
See all LCA information on our EPDs.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines. HRC items contain 15% or greater post-consumer recycled ceilings.

Insulation Value
R Factor – 1.6 (BTU units)
R Factor – 0.28 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com (Excludes items 1796, 1798, and large other size panels)

Weight; Square Feet/Carton
1772 – 0.94 lbs/SF; 64 SF/ctn
1773 – 0.88 lbs/SF; 64 SF/ctn
1796 – 1.33 lbs/SF; 67 SF/ctn
1798 – 1.14 lbs/SF; 50 SF/ctn
1850 – 1.19 lbs/SF; 48 SF/ctn
1851 – 1.22 lbs/SF; 64 SF/ctn
1774, 1775 – 0.75 lbs/SF; 64 SF/ctn
1776, 1777 – 0.75 lbs/SF; 64 SF/ctn
1852, 1853 – 1.20 lbs/SF; 48 SF/ctn

Minimum Order Quantity
1 carton, excludes other size panels

Metric Items Available
1772M, 1850M, 1773M, 1851M, 1796M, 1798M, 1775M, 1777M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

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Armstrong® CEILING & WALL SOLUTIONS

DUNE™ Second Look®

Scored Tegular
fine texture

10-YEAR REPLACEMENT PANEL AVAILABILITY

2711, 2712, 2722



Dune™ Second Look® I panels with Prelude® 15/16" suspension system (Pgs. 391-392)

This fine-textured visual offers geometric scored visuals.

KEY SELECTION ATTRIBUTES

- Upgrade look at a modest price
- USDA Certified Biobased Content – 100%
- Durable – Scratch-resistant
- 30-Year Limited System Warranty against visible sag, mold, and mildew

TYPICAL APPLICATIONS

- Specialty shops/stores
- Corridors
- Offices

FACE VIEW



Second Look I panel –
Scoring creates nominal 12" x 12" squares

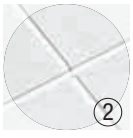
Second Look II panel –
Scoring creates nominal 24" x 24" squares

COLOR

White
(WH)

DETAILS (Other Suspension Systems compatible. Refer to listing on page 252.)





1. Dune® Second Look®
2. Dune Second Look with Suprafine® 9/16" suspension system

DUNE™ Second Look®

Scored Tegular
fine texture

UP TO 41% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD | recyclable/ extended producer resp. ✓ | biobased materials ✓ | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC	+ CAC	= Total Acoustics[1]	Fire Performance	Light Reflect	Anti-Mold & Mildew (Bio-Block)	Sag Resist (Humi-Guard+)	Certified Low VOC Emissions	Scratch (Durability)	Recycled Content	Recycle Program	30-Yr Warranty
DUNE™ Second Look® I															
15/16" Angled Tegular	11	**2711**	24 x 48 x 3/4"	0.50	35 •	–	Class A	0.83 •	•	•	•	•	Std	•	•
DUNE Second Look II															
15/16" Angled Tegular	11	**2712**	24 x 48 x 3/4"	0.50	35 •	–	Class A	0.83 •	•	•	•	•	Std	•	•
9/16" Angled Tegular	27	**2722**	24 x 48 x 3/4"	0.50	35 •	–	Class A	0.83 •	•	•	•	•	Std	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.

SUSPENSION SYSTEMS

15/16" Prelude®



9/16" Suprafine®



PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled).

ASTM E1264 Classification
Type III, Form 2, Pattern C E K
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Insulation Value
R Factor – 1.6 (BTU units)
R Factor – 0.28 (Watts units)

Design Consideration
Do not mix Dune™ Second Look® with standard Dune panels in the same room.

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
1.00 lbs/SF; 80 SF/ctn

Minimum Order Quantity
1 carton

Metric Items Available
2711M, 2722M, 2712M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

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FASTSIZE™

Factory-Finished Panels, Shipped Fast

$



Ultima® Beveled Tegular 24" x 24" and 22" x 24" FastSize™ panels with Silhouette® 1/4" reveal 9/16" suspension system (pg. 395) and 4" linear light fixtures

FS

FastSize™ Ceiling Panels The sizes you need…factory finished… one carton minimums…shipped fast! Available in select Cirrus®, Optima®, Optima® Capz™, and Ultima® panels. See "Item No." column on product pages for size availability. FastSize, other sizes, and colors are not UL Classified for acoustics. HRC products are not available in FastSize options.

KEY SELECTION ATTRIBUTES

- Factory-finished edge details on ceiling panels
- Factory-finished routing for suspension systems
- Popular textures, including Cirrus®, Optima®, Optima® Capz®, and Ultima® panel textures
- Popular suspension systems including Prelude® XL®, ML, Suprafine® XL®, Interlude® and Silhouette®
- Size flexibility:*
  - From 4" – 48" wide and 4" – 120" long for panels
  - From 36" – 144" for main beams; 4" – 144" for cross tees
  - Metric sizes available
- Fast lead times (from signed drawing to shipment from plant)
  - 3 weeks for panels
  - 2 weeks for suspension systems
  - 24-hour quotes
  - 24-hour for ship date confirmation
- One carton minimums
- Installation benefits:
  - No need for field-cutting panels or routing suspension system
  - Faster, easier installation
  - Minimized punch list

* Sizes intended for cut outs or borders only. For special size full field installations contact Armstrong Ceilings customer service.

CEILING PANELS

Pattern	Edge Detail	Width	Length	Thickness
CIRRUS®	Square Lay-in	4" – 24"	4" – 48"	3/4"
	Tegular	4" – 24"	4" – 48"	3/4"
OPTIMA®	Square Lay-in	4" – 48"	4" – 120"	1"
	Square Tegular	4" – 48"	4" – 120"	1"
	Vector Concealed	4" – 30"	12" – 96"	7/8"
		30" – 48"	12" – 48"	7/8"
OPTIMA® CAPZ™	Reverse Tegular	12" – 48"	12" – 120"	7/8"
ULTIMA®	Square Lay-in	4" – 24"	4" – 72"	3/4"
	Beveled Tegular	4" – 24"	4" – 72"	3/4"
	Vector	4" – 24"	4" – 24"	3/4"

Exclusions: Cirrus® High NRC, Profiles, Themes™, and HRC / 1" Optima® – Health Zone™, Create!™ / Ultima® High NRC, AirGuard™ coating, Health Zone™, Create!, and HRC

SUSPENSION SYSTEMS

Pattern	Main Beam Length	Cross Tee Length	Rout Spacing (custom options available)
PRELUDE® ML	36" – 144"	4" – 144"	2" from ends, 4" O. C. thereafter
PRELUDE® XL®	36" – 144"	4" – 144"	2" from ends, 4" O. C. thereafter
SUPRAFINE® XL®	36" – 144"	4" – 144"	2" from ends, 4" O. C. thereafter
INTERLUDE®	36" – 144"	4" – 144"	2" from ends, 4" O.C. thereafter
SILHOUETTE®	36" – 144"	4" – 144"	3" from ends, 6" O.C. thereafter

Exclusions: Prelude® ML Exterior and Suprafine® ML suspension systems

FINE FISSURED™

Tile
medium texture

56% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD ✓ | recyclable/ extended producer resp. ✓ | biobased materials ✓ | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting ✓ | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

$$$$



Fine Fissured™ tile with Prelude® Concealed 15/16" suspension system (Pg. 387)

Fine Fissured™ panels offer a non-directional visual, standard acoustics, and concealed or tongue-and-groove installation.

KEY SELECTION ATTRIBUTES

- 12" x 12" concealed tile option provides grid-hiding monolithic installation
- Non-directional visual reduces scrap and installation time
- 30-Year Limited System Warranty against visible sag, mold and mildew

TYPICAL APPLICATIONS

- Areas with low ceiling height or limited plenum

COLOR

White (WH)

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC	CAC	Total Acoustics[1]	Fire Performance	Light Reflect	Anti-Mold & Mildew Bio-Block	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Durability	Recycled Content	Recycle Program	Warranty
FINE FISSURED™ Tile															
Concealed	66	**746**	12 x 12 x 5/8" □	0.55	35 •	–	Class A	0.85 •	•	•	•	Std	•	•	30-Yr
Tongue-and-Groove	63	**741**	12 x 12 x 1/2" □	0.55	N/A	–	Class A	0.85 •	•	•	•	Std	•	•	30-Yr

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product. Splines not included in carton. Not recyclable when glue-up installation method is used.

SUSPENSION SYSTEM

15/16" Concealed

Prelude® Concealed or Adhesive

STAPLE UP/ADHESIVE

Tongue-and-Groove

PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled.)

ASTM E1264 Classification
Type III, Form 2, Pattern C E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
R Factor – 1.6 (BTU units)
R Factor – 0.28 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
741 – 0.75 lbs/SF; 40 SF/ctn
746 – 0.90 lbs/SF; 40 SF/ctn

Minimum Order Quantity
1 carton

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FINE FISSURED™
FINE FISSURED™ High NRC

Square Lay-in
medium texture

TOTAL ACOUSTICS®
Sound Absorption (NRC)
+ Sound Blocking (CAC)

10-YEAR REPLACEMENT PANEL AVAILABILITY
1713, 1714, 1728

Fine Fissured

Fine Fissured High NRC



Fine Fissured™ panels with Prelude® 15/16" suspension system (Pgs. 391-392)



See more photos at:
armstrongceilings.com/photogallery
SEARCH: fine fissured

This economical, non-directional panel is available in standard and high-acoustical absorption options.

KEY SELECTION ATTRIBUTES

- Get total noise control and design flexibility with Total Acoustics® ceiling panels: NRC + CAC = Total Acoustics® performance
- Meets ANSI S12.60 Classroom Guidelines: Items 1713, 1714, 1810, 1811
- Economical
- Non-directional visual reduces scrap and installation time
- 30-Year Limited System Warranty against visible sag (excludes item 1738), mold and mildew

TYPICAL APPLICATIONS

- Schools
- Healthcare – assists in addressing HIPAA, HCAHPS, and FGI acoustical requirements (High Acoustics items only)
- Libraries/band rooms
- Corridors
- Theaters (Tech Black)

COLORS

Due to printing limitations, shade may vary from actual product.

White (WH) | Cream (CR) | Haze (HA) | Camel (CM) | Platinum (PL) | Adobe (AD) | Tech Black (BL)

Items 1728 and 1729 are available in colors. Item 1713 is available in Black and White. All other items are available in White only.

Colored ceilings are dye-lotted and should be segregated by dye lot. Do not mix.

DETAILS





1. Fine Fissured Square Lay-in
2. Fine Fissured Square Lay-in with Prelude 15/16" suspension system

FINE FISSURED™
FINE FISSURED™ High NRC

Square Lay-in
medium texture

UP TO 73% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt; regional materials; design for flexibility; EPD; recyclable/extended producer resp.; biobased materials; recycled content; sourcing of raw materials; material ingredient reporting; low emitting/materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No. ◆	Dimensions (Inches)	UL Classified Acoustics: NRC	+ CAC	= Total Acoustics[1] NRC+CAC	Articulation Class AC	Fire Performance	Light Reflect	Anti-Mold & Mildew: Bio-Block	Sag Resist: Humi-Guard+	Certified Low VOC Emissions	Durability	Recycled Content	Recycle Program	30-Yr Warranty
FINE FISSURED™ High NRC																
15/16" Square Lay-in	1	**1754**	24 x 24 x 7/8"	0.75 •	35 •	BETTER	170 •	Class A	0.86 •	•	•	•	Std	•	•	•
	1	**1755**	24 x 48 x 7/8"	0.75 •	35 •	BETTER	170 •	Class A	0.86 •	•	Std	•	Std	•	•	1-Yr
FINE FISSURED™																
15/16" Square Lay-in	1	**1736**	20 x 60 x 5/8"	0.55	35 •	–	–	Class A	0.85 •	•	•	•	Std	Std	•	•
	1	**1728_ _**	24 x 24 x 5/8"	0.55	33	–	–	Class A	0.85* •	•	•	•	Std	Std	•	•
	1	**1831**	24 x 24 x 5/8"	0.55	35 •	–	–	Fire Guard™	0.85 •	•	•	•	Std	•	•	•
	1	**1729_ _**	24 x 48 x 5/8"	0.55	35 •	–	–	Class A	0.85* •	•	•	•	Std	Std	•	•
	1	**1830**	24 x 48 x 5/8"	0.55	35 •	–	–	Fire Guard	0.85 •	•	•	•	Std	•	•	•
	1	**1737**	24 x 60 x 5/8"	0.55	35 •	–	–	Class A	0.85 •	•	•	•	Std	Std	•	•
	1	**1738**	30 x 60 x 3/4"	0.55	35 •	–	–	Class A	0.85 •	•	Std	•	Std	Std	•	•
	1	**Other Size Panels**	W: 12" - 30" / L: 18" - 72" 5/8" or 3/4" thick	N/A	N/A	–	–	Class A	0.85 •	•	Std	•	Std	Std	•	•
School Zone® FINE FISSURED™																
15/16" Square Lay-in	1	**1713** **1713BL**	24 x 24 x 3/4" 24 x 24 x 3/4"	0.70 •	35 •	BETTER		Class A	0.85* •	•	•	•	Std	•	•	•
	1	**1810**	24 x 24 x 3/4"	0.70 •	40 •	BETTER		Fire Guard	0.85 •	•	•	•	Std	•	•	•
	1	**1714**	24 x 48 x 3/4"	0.70 •	40 •	BETTER		Class A	0.85 •	•	•	•	Std	•	•	•
	1	**1811**	24 x 48 x 3/4"	0.70 •	40 •	BETTER		Fire Guard	0.85 •	•	•	•	Std	•	•	•
	1	**Other Size Panels**	W: 12" - 30" / L: 18" - 72" 3/4" thick	N/A	N/A	–		Fire Guard	0.85 •	•	•	•	Std	Std	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)

◆ Add 2-letter color suffix to item number when specifying or ordering (e.g., 1729 B L) * Light reflectance number for white only.

SUSPENSION SYSTEMS

15/16"



Prelude®
Prelude® XL® Fire Guard™

PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled). Fire Guard: A fire-resistive ceiling when used in applicable UL assemblies (Class A).

ASTM E1264 Classification
Type III, Form 2, Pattern C E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications. Excluding Item 1738 and other size panels.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol. (Except 1728, 1729 in colors)

Acoustical Performance
CAC testing conducted using Prelude® XL® suspension system.

Primary (Embodied) Energy
See all LCA information on our EPDs.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
Square Lay-in Items
R Factor – 1.5 (BTU units)
R Factor – 0.26 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com (Excludes item 1738 and other size panels)

Weight; Square Feet/Carton
1728 – 0.70 lbs/SF; 64 SF/ctn
1729 – 0.70 lbs/SF; 96 SF/ctn
1738 – 0.80 lbs/SF; 75 SF/ctn
1736, 1737 – 0.93 lbs/SF; 100 SF/ctn
1754 – 1.08 lbs/SF; 40 SF/ctn
1755 – 1.08 lbs/SF; 48 SF/ctn
1830, 1831 – 1.05 lbs/SF; 64 SF/ctn
1713, 1810 – 1.31 lbs/SF; 48 SF/ctn
1714, 1811 – 1.38 lbs/SF; 64 SF/ctn

Minimum Order Quantity
1 carton, excludes other size panels

Metric Items Available
1728M, 1729M, 1736M, 1737M, 1738M, 1754M, 1755M, 1810M, 1811M, 1830M, 1831M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

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FINE FISSURED™
FINE FISSURED™ High NRC

Tegular
medium texture

TOTAL ACOUSTICS®
Sound Absorption (NRC)
+ Sound Blocking (CAC)

10-YEAR REPLACEMENT PANEL AVAILABILITY
1732, 1734

Fine Fissured

Fine Fissured™ High NRC



Fine Fissured™ Tegular panels with Prelude® XL® suspension system (pgs 391-392)



See more photos at:
armstrongceilings.com/photogallery
SEARCH: fine fissured

This economical, non-directional panel available in standard and high acoustical absorption options.

KEY SELECTION ATTRIBUTES

- Get total noise control and design flexibility with Total Acoustics® ceiling panels: NRC + CAC = Total Acoustics® performance
- Options provide excellent combination of acoustical performance NRC (up to 0.75), CAC (up to 35), and Articulation Class (170)
- Fine Fissured™ School Zone® items help comply with ANSI S12.60 Classroom Guidelines
- Non-directional visual reduces scrap and installation time
- 30-Year Limited System Warranty against visible sag, mold, and mildew

TYPICAL APPLICATIONS

- Offices – closed spaces for privacy and confidentiality; open spaces for focus, collaboration, and teaming
- Schools
- Libraries/band rooms
- Corridors
- Discount stores
- Utility rooms

COLORS

Due to printing limitations, shade may vary from actual product.

White (WH) | Cream (CR) | Haze (HA) | Camel (CM) | Platinum (PL) | Adobe (AD)

Item 1732 is available in colors.
All other items are available in White only.
Colored ceilings are dye-lotted and should be segregated by dye lot. Do not mix.

DETAILS

(Other Suspension Systems compatible. Refer to listing on pages 258, 260)



1. Fine Fissured™ Beveled Tegular
2. Fine Fissured Angled Tegular
3. Fine Fissured Tegular with Suprafine® 9/16" suspension system

FINE FISSURED™
FINE FISSURED™ High NRC

Tegular
medium texture

UP TO 73% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓, construction waste mgmt ✓, regional materials ✓, design for flexibility ✓, EPD ✓, recyclable/extended producer resp. ✓, biobased materials ✓, recycled content ✓, sourcing of raw materials ✓, material ingredient reporting ✓, low emitting/materials ✓, lighting quality ✓, acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION
Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No. ◆	Dimensions (Inches)		UL Classified Acoustics: NRC	+ CAC	= NRC+CAC	Total Acoustics[1]	Articulation Class AC	Fire Performance	Light Reflect	Anti-Mold & Mildew: Bio-Block	Sag Resist: Humi-Guard+	Certified Low VOC Emissions	Durability	Recycled Content	Recycle Program	30-Yr Warranty
FINE FISSURED™ High NRC																		
15/16" Angled Tegular	13	**1756**	24 x 24 x 7/8"	□	0.75 •	35 •	**BETTER**	170 •	Class A	0.86 •	•	•	•	Std	•	•	•	
	13	**1757**	24 x 48 x 7/8"	▭	0.75 •	35 •	**BETTER**	170 •	Class A	0.86 •	•	Std	•	Std	•	•	1-Yr	
9/16" Beveled Tegular	29, 44, 48, 52, 56	**1758**	24 x 24 x 7/8"	□	0.75 •	35 •	**BETTER**	170 •	Class A	0.86 •	•	•	•	Std	•	•	•	
	29, 44, 48, 52, 56	**1759**	24 x 48 x 7/8"	▭	0.75 •	35 •	**BETTER**	170 •	Class A	0.86 •	•	Std	•	Std	•	•	1-Yr	
FINE FISSURED™																		
15/16" Angled Tegular	12	**1732_ _**	24 x 24 x 5/8"	□	0.55	35 •	–	N/A	Class A	0.85 •	•	•	•	Std	•	•	•	
	12	**1833**	24 x 24 x 5/8"	□	0.55	35 •	–	N/A	Fire Guard™	0.85 •	•	•	•	Std	Std	•	•	
	12	**1733**	24 x 48 x 5/8"	▭	0.55	35 •	–	N/A	Class A	0.85 •	•	•	•	Std	Std	•	•	

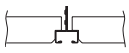
[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)
◆ Add 2-letter color suffix to item number when specifying or ordering (e.g., 1732 C R)

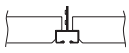
SUSPENSION SYSTEMS

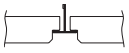
15/16"

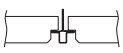

Prelude® XL®
Prelude® XL® Fire Guard™

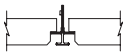
9/16"


Silhouette® 1/4" Reveal


Silhouette 1/8" Reveal


Suprafine®
Suprafine® XL® Fire Guard


Interlude®


Sonata®

PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled). Fire Guard™: A fire-resistive ceiling when used in applicable UL assemblies. (Class A).

ASTM E1264 Classification
Type III, Form 2, Pattern C E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol (excludes item 1732 in colors).

Acoustical Performance
CAC testing conducted using Prelude® XL® suspension system for 15/16" edge detail and Silhouette suspension system for 9/16" edge detail.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
R Factor – 1.5 (BTU units)
R Factor – 0.26 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
1732 – 0.70 lbs/SF; 64 SF/ctn
1733 – 0.70 lbs/SF; 80 SF/ctn
1833 – 1.05 lbs/SF; 48 SF/ctn
1756, 1758 – 1.08 lbs/SF; 40 SF/ctn
1757, 1759 – 1.08 lbs/SF; 48 SF/ctn

Minimum Order Quantity
1 carton, excludes other sizes

Metric Items Available
1732M, 1733M, 1756M, 1757M, 1758M, 1759M – Metric items subject to extended lead times and minimum quantities.

FINE FISSURED™
FINE FISSURED™ High NRC

Tegular
medium texture

VISUAL SELECTION

PERFORMANCE SELECTION
Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics: NRC	UL Classified Acoustics: CAC	Total Acoustics[1] (NRC+CAC)	Articulation Class	Fire Performance	Light Reflect	Anti-Mold & Mildew: Bio-Block	Sag Resist: Humi-Guard+	Certified Low VOC Emissions	Durability	Recycled Content	Recycle Program	30-Yr Warranty
FINE FISSURED™																
15/16" Angled Tegular	12	**1834**	24 x 48 x 5/8"	0.55	35 •	–	N/A	Fire Guard™	0.85 •	•	•	•	Std	•	•	•
	12	**Other Size Panels**	W: 12" – 30" / L: 18" – 72" 5/8" thick	N/A	N/A	–	N/A	Fire Guard	0.85 •	•	•	•	Std	Std	•	•
9/16" Beveled Tegular	29, 44, 48, 52, 56	**1734**	24 x 24 x 5/8"	0.55	35 •	–	N/A	Class A	0.85 •	•	•	•	Std	Std	•	•
	29, 44, 48, 52, 56	**1835**	24 x 24 x 5/8"	0.55	35 •	–	N/A	Fire Guard	0.85 •	•	•	•	Std	Std	•	•
	29, 44, 48, 52, 56	**Other Size Panels**	W: 12" – 30" / L: 18" – 72" 5/8" thick	N/A	N/A	–	N/A	Fire Guard	0.85 •	•	•	•	Std	Std	•	•
School Zone® FINE FISSURED																
15/16" Angled Tegular	13	**1717**	24 x 24 x 3/4"	0.70 •	40 •	**BETTER**	N/A	Class A	0.85 •	•	•	•	Std	•	•	•
	13	**1820**	24 x 24 x 3/4"	0.70 •	35	**BETTER**	N/A	Fire Guard	0.85 •	•	•	•	Std	•	•	•
	13	**1824**	24 x 48 x 3/4"	0.70 •	35	**BETTER**	N/A	Fire Guard	0.85 •	•	•	•	Std	•	•	•
	13	**Other Size Panels**	W: 12" - 30" / L: 18" - 72" 3/4" thick	N/A	N/A	–	N/A	Fire Guard or Class A	0.85 •	•	•	•	Std	•	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)

FINE FISSURED™
FINE FISSURED™ High NRC

Tegular
medium texture

UP TO 56% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD ✓ | recyclable/ extended producer resp. ✓ | biobased materials ✓ | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting ✓ | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION
Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No. ◆	Dimensions (Inches)		UL Classified Acoustics NRC	+ CAC	= Total Acoustics[1] NRC + CAC	Articulation Class	Fire Performance	Light Reflect	Anti-Mold & Mildew Bio-Block	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Durability	Recycled Content	Recycle Program	30-Yr Warranty
School Zone® FINE FISSURED™																	
9/16" Beveled Tegular	29, 44, 48, 52, 56	**1719** _ _	24 x 24 x 3/4"	☐	0.70 •	40 •	**BETTER**	N/A	Class A	0.85 •	•	•	•	Std	•	•	•
	29, 44, 48, 52, 56	**1821**	24 x 24 x 3/4"	☐	0.70 •	35 •	**BETTER**	N/A	Fire Guard™	0.85 •	•	•	•	Std	•	•	•
	29, 44, 48, 52, 56	**Other Size Panels**	W: 12" - 30" / L: 18" - 72" 3/4" thick		N/A	N/A	–	N/A	Fire Guard or Class A	0.85 •	•	•	•	Std	Std	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)
◆ Add 2-letter color suffix to item number when specifying or ordering (e.g., 1719 C R)

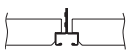
SUSPENSION SYSTEMS

15/16"

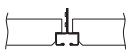


Prelude® XL®
Prelude® XL® Fire Guard™

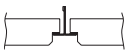
9/16"



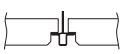
Silhouette® 1/4" Reveal



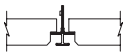
Silhouette 1/8" Reveal



Suprafine®
Suprafine® XL® Fire Guard™



Interlude®



Sonata®

PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled). Fire Guard™: A fire-resistive ceiling when used in applicable UL assemblies (Class A).

ASTM E1264 Classification
Type III, Form 2, Pattern C E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol (excludes item 1835).

Acoustical Performance
CAC testing conducted using Prelude® XL® suspension system for 15/16" edge detail and Silhouette® suspension system for 9/16" edge detail.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
R Factor – 1.5 (BTU units)
R Factor – 0.26 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
1820, 1821 – 1.31 lbs/SF; 48 SF/ctn
1717, 1719 – 1.25 lbs/SF; 48 SF/ctn
1834 – 1.05 lbs/SF; 64 SF/ctn
1734 – 0.70 lbs/SF; 64 SF/ctn
1835 – 1.05 lbs/SF; 48 SF/ctn
1824 – 1.20 lbs/SF; 64 SF/ctn

Minimum Order Quantity
1 carton, excludes other sizes

Metric Items Available
1820M, 1821M, 1717M, 1719M, 1834M, 1734M, 1824M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

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FINE FISSURED™ Second Look®

Scored Tegular
medium texture

10-YEAR REPLACEMENT PANEL AVAILABILITY
1761

UP TO 56% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
	✓	✓	✓	✓	▲	✓	✓	✓	✓	✓	✓	✓	✓

▲ LOCATION DEPENDENT

$$$$



Fine Fissured™ Second Look® II panels with Suprafine® 9/16" suspension system (Pgs. 400-401)

This panel offers economical, standard acoustics and scored visuals.

KEY SELECTION ATTRIBUTES

- Geometric scored visuals
- Economical option to create a designer look

TYPICAL APPLICATIONS

- Department stores/retail
- Many types of commerical interiors

COLOR

White (WH)

FACE VIEW



Second Look I | Second Look II | Second Look III

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)		UL Classified Acoustics NRC	+ CAC	= Total Acoustics[1]	Fire Performance	Light Reflect	Anti-Mold & Mildew Bio-Block	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Durability	Recycled Content	Recycle Program	30-yr Warranty
FINE FISSURED™ Second Look®																
15/16" Angled Tegular	11	**1760**	24 x 48 x 3/4"	Second Look I	0.55	35 •	–	Class A	0.84 •	•	•	•	Std	Std	•	•
	11	**1761**	24 x 48 x 3/4"	Second Look II	0.55	35 •	–	Class A	0.84 •	•	•	•	Std	Std	•	•
	11	**1861**	24 x 48 x 3/4"	Second Look II	0.55	35 •	–	Fire Guard™	0.84 •	•	•	•	Std	Std	•	•
	11	**1762**	24 x 48 x 3/4"	Second Look III	0.50	35 •	–	Class A	0.84 •	•	•	•	Std	Std	•	•
9/16" Angled Tegular	27	**1765**	24 x 48 x 3/4"	Second Look I	0.55	30	–	Class A	0.84 •	•	•	•	Std	Std	•	•
	27	**1766**	24 x 48 x 3/4"	Second Look II	0.55	30	–	Class A	0.84 •	•	•	•	Std	Std	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.

SUSPENSION SYSTEMS

15/16" — Prelude® Prelude® XL® Fire Guard™

9/16" — Suprafine®

PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less. (UL labeled). Fire Guard™: A fire-resistive ceiling when used in applicable UL assemblies (Class A).

ASTM E1264 Classification
Type III, Form 2, Pattern C E K
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Insulation Value
R Factor – 1.6 (BTU units)
R Factor – 0.28 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Design Consideration
Do not mix Fine Fissured™ Second Look® panels with standard Fine Fissured panels in the same room.

Weight; Square Feet/Carton
0.75 lbs/SF; 80 SF/ctn

Minimum Order Quantity
1 carton

Metric Items Available
1761M - Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

TechLine / 1 877 276-7876
armstrongceilings.com/commercial
(search: fine fissured)
BPCS-3027-517

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Armstrong® CEILING & WALL SOLUTIONS

FISSURED™

Square Lay-in & Tegular
medium texture

UP TO 41% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD ● | recyclable/ extended producer resp. ✓ | biobased materials ✓ | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting ● | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

$$$$



Fissured™ Angled Tegular panels with Prelude® 15/16" suspension system (Pgs. 391-392)

This economical panel with a directional, fissured visual offers standard acoustics.

KEY SELECTION ATTRIBUTES

- Economical
- Directional fissured image

TYPICAL APPLICATIONS

- Utility rooms
- Discount stores

COLOR

White (WH)

VISUAL SELECTION

PERFORMANCE SELECTION

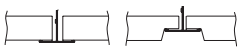
Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)		UL Classified Acoustics NRC	+ CAC	= Total Acoustics[1]	Fire Performance	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Durability	Recycled Content	Recycle Program	Warranty
FISSURED™ Square Lay-in																
15/16" Square Lay-in	1	**756**	24 x 24 x 5/8"	□	0.55	30	–	Class A	0.81	–	Std	●	Std	Std	●	1-Yr
	1	**896**	24 x 24 x 5/8"	□	0.55	35 ●	–	Fire Guard™	0.81	–	Std	●	Std	Std	●	1-Yr
	1	**755**	24 x 48 x 5/8"	▭	0.55	30	–	Class A	0.81	–	Std	●	Std	Std	●	1-Yr
	1	**895**	24 x 48 x 5/8"	▭	0.55	35 ●	–	Fire Guard	0.81	–	Std	●	Std	Std	●	1-Yr
	1	**Other Size Panels**	W: 12" – 30" / L: 18" – 72" 5/8" thick		N/A	N/A	–	Class A	0.81	–	Std	●	Std	Std	●	1-Yr
FISSURED Tegular																
15/16" Angled Tegular	12	**705**	24 x 24 x 5/8"	□	0.55	30	–	Class A	0.81	–	Std	●	Std	Std	●	1-Yr
	12	**815**	24 x 24 x 5/8"	□	0.55	35 ●	–	Fire Guard	0.81	–	Std	●	Std	Std	●	1-Yr
	12	**Other Size Panels**	W: 12" – 30" / L: 18" – 72" 5/8" thick		N/A	N/A	–	Class A	0.81	–	Std	●	Std	Std	●	1-Yr

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.

SUSPENSION SYSTEMS

15/16"



Prelude®
Prelude® Fire Guard™

PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled). Fire Guard™: A fire-resistive ceiling when used in applicable UL assemblies (Class A).

ASTM E1264 Classification
Type III, Form 2, Pattern C D
Fire Class A

Humidity/Sag Resistance
Standard performance ceiling panels are recommended where the building is enclosed and the HVAC is continuously functioning.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Insulation Value
755, 756, 895, 896 –
R Factor – 1.5 (BTU units)
R Factor – 0.26 (Watts units)

705, 815 –
R Factor – 1.6 (BTU units)
R Factor – 0.28 (Watts units)

Weight; Square Feet/Carton
705 – 0.69 lbs/SF; 64 SF/ctn
755 – 0.66 lbs/SF; 96 SF/ctn
756 – 0.67 lbs/SF; 64 SF/ctn
815 – 1.08 lbs/SF; 48 SF/ctn
895, 896 – 1.09 lbs/SF; 64 SF/ctn

Minimum Order Quantity
1 carton, excludes other size panels

Metric Items Available
756M, 896M, 755M, 895M, 705M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

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GEORGIAN™ & GEORGIAN™ HIGH WASHABILITY

Square Lay-in & Tegular
medium texture

TOTAL ACOUSTICS®
Sound Absorption (NRC)
+ Sound Blocking (CAC)

Georgian™ High Washability
School Zone® Georgian
Georgian



Georgian™ Beveled Tegular panels with Prelude® 15/16" suspension system (Pgs. 391-392)

This medium-textured panel offers good acoustics and high washability options to meet USDA/FSIS guidelines.

KEY SELECTION ATTRIBUTES

- Unique spatter-painted visual
- Total Acoustics® options (Items 795, 796)
- High Washability items available
  - Meets USDA/FSIS guidelines for use in food processing establishments
- Durable –
  Washable
  Scrubbable
  Impact-resistant
  Scratch-resistant
- 30-Year Limited System Warranty against visible sag (excludes item 791 and other sizes), mold, and mildew

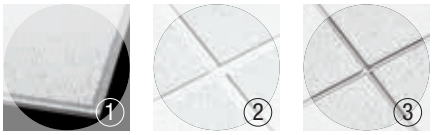
TYPICAL APPLICATIONS

- Schools/classrooms (Items 795, 796)
- Corridors/conference rooms
- Kitchen/food preparation areas (Items 793, 794)

COLOR

White (WH)

DETAILS (Other Suspension Systems compatible. Refer to listing on page 264.)



1. Georgian Beveled Tegular
2. Georgian Beveled Tegular with Prelude 15/16" suspension system
3. Georgian Beveled Tegular with Silhouette® 9/16" suspension system 1/4" Reveal

GEORGIAN™ & GEORGIAN™ HIGH WASHABILITY

Square Lay-in & Tegular
medium texture

UP TO 56% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED® ✓ energy management ✓ construction waste mgmt ✓ regional materials ✓ design for flexibility EPD ✓ recyclable/ extended producer resp. ✓ biobased materials ✓ recycled content ✓ sourcing of raw materials material ingredient reporting ✓ low emitting/ materials ✓ lighting quality ✓ acoustics

▲ LOCATION DEPENDENT

VISUAL SELECTION

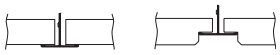
PERFORMANCE SELECTION
Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)		UL Classified Acoustics NRC	+ CAC	=	Total Acoustics[1] NRC + CAC	Fire Performance	Light Reflect	Anti-Mold & Mildew Bio-Block	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Durability: Wash	Durability: Scrub	Durability: Impact	Durability: Scratch	Recycled Content	Recycle Program	30-Yr Warranty
GEORGIAN™																				
15/16" Square Lay-in	1	**764**	24 x 24 x 5/8"	☐	0.55	33		–	Class A	0.86 •	•	•	•	•	–	•	•	•	•	•
	1	**763**	24 x 48 x 5/8"	▭	0.55	33		–	Class A	0.86 •	•	•	•	•	–	•	•	•	•	•
	1	**898**	24 x 48 x 3/4"	▭	0.55	35 •		–	Fire Guard™	0.86 •	•	•	•	•	–	•	•	•	•	•
	1	**791**	30 x 60 x 3/4"	▭	0.55	33		–	Class A	0.86 •	•	Std	•	•	–	•	•	•	•	1-Yr
15/16" Beveled Tegular	15	**1752**	24 x 24 x 5/8"	☐	0.55	35 •		–	Class A	0.86 •	•	•	•	•	–	•	•	•	•	•
9/16" Beveled Tegular	29, 44, 48, 52, 56	**1753**	24 x 24 x 5/8"	☐	0.55	35 •		–	Class A	0.86 •	•	•	•	•	–	•	•	•	•	•
SCHOOL ZONE® GEORGIAN																				
15/16" Square Lay-in	1	**796**	24 x 24 x 3/4"	☐	0.65	35 •		GOOD	Class A	0.86 •	•	•	•	•	–	•	•	•	•	•
	1	**795**	24 x 48 x 3/4"	▭	0.65	35 •		GOOD	Class A	0.86 •	•	•	•	•	–	•	•	•	•	•
	1	**Other Size Panels**	W: 12" - 30" / L: 18" - 72" 3/4" Thick		N/A	N/A		–	Class A	0.86 •	•	Std	•	•	–	•	•	•	•	1-Yr
GEORGIAN – High Washability Panels, Unperforated																				
15/16" Square Lay-in	1	**794**	24 x 24 x 5/8"	☐	N/A	33		–	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	1	**793**	24 x 48 x 5/8"	▭	N/A	33		–	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)

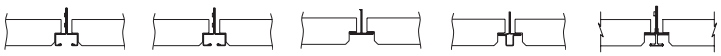
SUSPENSION SYSTEMS

15/16"



Prelude®

9/16"



Silhouette® 1/4" Reveal | Silhouette 1/8" Reveal | Suprafine® | Interlude® | Sonata®

PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled). Fire Guard™: A fire-resistive ceiling when used in applicable UL assemblies (Class A).

ASTM E1264 Classification
Type III, Form 2, Pattern C E
Items 794, 793, 898 –
Type IX, Form 2, Pattern G
Fire Class A

Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications. Excludes Item 791 and other size panels.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

Acoustical Performance
CAC testing conducted using Silhouette® suspension system.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
R Factor - 1.6 (BTU units)
R Factor - 0.28 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
763, 793 – 0.67 lbs/SF; 96 SF/ctn
764, 794, 1752, 1753 – 0.72 lbs/SF; 64 SF/ctn
791 – 0.76 lbs/SF; 75 SF/ctn
898 – 1.13 lbs/SF; 64 SF/ctn
796 – 1.31 lbs/SF; 48 SF/ctn
795 – 1.38 lbs/SF; 64 SF/ctn

Minimum Order Quantity
1 carton, excludes other size panels

Metric Items Available
1753M, 764M, 763M, 791M, 1752M, 796M, 795M, 794M, 793M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

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GRAPHIS® Finetex™

Wrapped Linear,
Cubic & NeoCubic™
fine texture

GRAPHIS® Rustex™

Cubic Beveled &
Linear Beveled
coarse texture

NeoCubic

Cubic

Wrapped Linear



Graphis® Finetex™ Wrapped Linear™ panels with Suprafine® 9/16" suspension system (Pgs. 400-401)

Linear Beveled

Cubic Beveled



Graphis® Rustex™ Cubic Beveled panels with Suprafine 9/16" suspension system (Pgs. 400-401)

These panels offer bold geometric and linear patterns with unique visual designs.

KEY SELECTION ATTRIBUTES

Finetex™

- Finely sculptured geometric patterns
- Single- and multi-design options
- High light reflectance
- 30-Year Limited System Warranty

Rustex™

- Bold geometric designs
- Good sound absorption
- 30-Year Limited System Warranty

TYPICAL APPLICATIONS

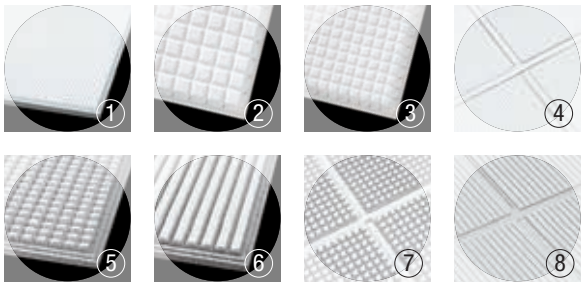
- Department stores/retail
- Many types of commercial interiors
- Airports/bus/train stations

NOTE: Finetex panels are not recommended for areas requiring acoustical performance

COLOR

White
(WH)

DETAILS (Other Suspension Systems compatible. Refer to listing on page 266.)



1. Graphis® Finetex™ Wrapped Linear
2. Graphis Finetex Cubic
3. Graphis Finetex NeoCubic™
4. Graphis Finetex Wrapped Linear with Suprafine 9/16" suspension system
5. Graphis Rustex Cubic Beveled
6. Graphis Rustex Linear Beveled
7. Graphis Rustex Cubic Beveled with Suprafine 9/16" suspension system
8. Graphis Rustex Linear Beveled with Suprafine 9/16" suspension system

GRAPHIS® Finetex™ & Rustex™

Wrapped Linear™, Cubic & NeoCubic™ fine texture

Cubic Beveled & Linear Beveled coarse texture

UP TO 72% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD | recyclable/ extended producer resp. ✓ | biobased materials ✓ | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance.

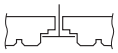
$$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC	+ CAC	= Total Acoustics[1]	Fire Performance	Light Reflect	Anti-Mold & Mildew: Bio-Block	Sag Resist: Humi-Guard+	Durability	Recycled Content	Recycle Program	30-Yr Warranty
GRAPHIS® Finetex														
	Wrapped Linear													
9/16" Wrapped Tegular	34	**8005**	24 x 24 x 3/4" ☐	N/A	35 •	–	Class A	0.90 •	–	–	Std	Std	•	•
	Cubic													
	36	**8006**	24 x 24 x 3/4" ☐	N/A	35 •	–	Class A	0.90 •	–	–	Std	Std	•	•
	NeoCubic™													
	35	**8007**	24 x 24 x 3/4" ☐	N/A	35 •	–	Class A	0.90 •	–	–	Std	Std	•	•
GRAPHIS® Rustex™														
	Cubic Beveled													
15/16" Beveled Tegular	20	**2600**	24 x 24 x 3/4" ☐	0.55	30	–	Class A	0.75	•	•	Std	•	•	•
	Linear Beveled													
	20	**2602**	24 x 24 x 3/4" ☐	0.55	30	–	Class A	0.75	•	•	Std	•	•	•
	Cubic Beveled													
9/16" Beveled Tegular	33	**2600**	24 x 24 x 3/4" ☐	0.55	30	–	Class A	0.75	•	•	Std	•	•	•
	Linear Beveled													
	33	**2602**	24 x 24 x 3/4" ☐	0.55	30	–	Class A	0.75	•	•	Std	•	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.

SUSPENSION SYSTEMS

15/16"

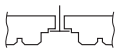


Prelude® Beveled Tegular

9/16"



Suprafine® Wrapped Tegular



Suprafine® Beveled Tegular

PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled).

ASTM E1264 Classification
Type III, Form 2, Pattern J Z
Fire Class A

Mold/Mildew Protection (Rustex™ only)
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
R Factor - 1.6 (BTU units)
R Factor - 0.28 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
0.90 lbs/SF; 48 SF/ctn

Minimum Order Quantity
1 carton

Metric Items Available
2600M, 2602M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

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KITCHEN ZONE™

Square Lay-in
smooth texture



Kitchen Zone™ 24" x 24" panels with Prelude® 15/16" suspension system (Pgs. 391-392)

A better option to vinyl-covered gypsum, this panel offers a lower cost, lighter weight, more pieces per carton, and meets USDA/FSIS guidelines.

KEY SELECTION ATTRIBUTES

- Easier to cut with less dust
- Recyclable through Armstrong® Recycling Program
- Brighter visual with 20% more light reflectance than vinyl-covered gypsum
- Durable – Water-repellent, Washable, Scratch-resistant, Soil-resistant
- Smooth surface meets USDA/FSIS guidelines for use in food processing areas
- 30-Year Limited System Warranty against visible sag, mold, and mildew

TYPICAL APPLICATIONS

- Kitchen/food preparation areas
- Laboratories
- Cafeterias
- Lavatories/restrooms

COLOR

White
(WH)

DETAILS





1. Kitchen Zone™ Lay-in
2. Kitchen Zone Lay-in with Prelude® 15/16" suspension system

UP TO 36% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD | recyclable/ extended producer resp. ✓ | biobased materials ✓ | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting | low emitting/ materials ✓ | lighting quality ✓ | acoustics

▲ LOCATION DEPENDENT

KITCHEN ZONE™

Square Lay-in
smooth texture

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance.

$$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	NRC	+	CAC	=	Total Acoustics[1]	Fire Performance	Light Reflect	Anti-Mold & Mildew (Bio-Block)	Sag Resist (Humi-Guard+)	Certified Low VOC Emissions	Water Repel (Durability)	Wash (Durability)	Scratch (Durability)	Soil (Durability)	Recycled Content	Recycle Program	30-Yr Warranty
KITCHEN ZONE™																				
15/16" Square Lay-in	1	**673**	24 x 24 x 5/8"	N/A		33		–	Class A	0.89 •	•	•	–	•	•	•	•	Std	•	•
	1	**672**	24 x 48 x 5/8"	N/A		33		–	Class A	0.89 •	•	•	–	•	•	•	•	Std	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.

SUSPENSION SYSTEMS

15/16"



Prelude®

PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 surface burning characteristics.
Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

ASTM E1264 Classification
Type IX, Form 2, Pattern G
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

Insulation Value
R Factor – 1.6 (BTU units)
R Factor – 0.28 (Watts units)

Application Consideration
Not designed for use in close proximity to commercial grease ducts.

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Cleaning Recommendations
To clean panel, use a clean, white cloth with water or a mild detergent and wipe surface. To disinfect panel, lightly spray surface and wipe clean with a clean, white cloth. Acceptable colorless disinfectants include:
- Sodium hypochlorite
- Hydrogen peroxide
- Quaternary ammonium

Weight; Square Feet/Carton
672 – 0.67 lbs/SF; 96 SF/ctn
673 – 0.82 lbs/SF; 64 SF/ctn

Minimum Order Quantity
1 carton

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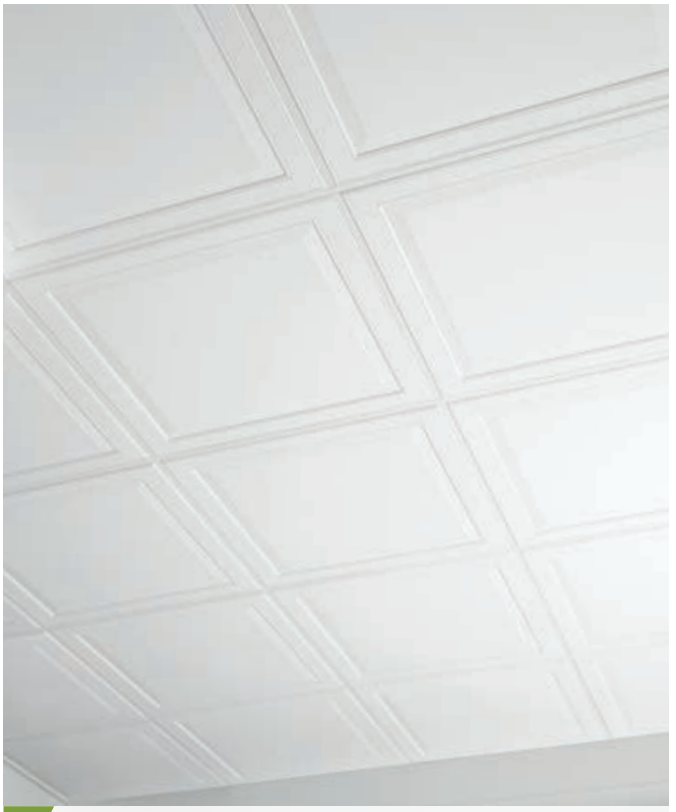
LEDGES®

Tegular
smooth texture



Ledges® I panels with Prelude® 15/16" suspension system (Pgs. 391-392)



Ledges II panels with Suprafine® 9/16" suspension system (Pgs. 400-401)

The dimensional look of old-world plaster ceilings is available in two classic designs.

KEY SELECTION ATTRIBUTES

- Dimensional, sculptured visual
- Affordable and practical alternative to embossed plaster panels
- Non-directional visual reduces installation time and scrap

TYPICAL APPLICATIONS

- Department stores/retail
- Many types of commercial interiors

NOTE: Not recommended for areas requiring acoustical performance

COLOR

White (WH)

FACE VIEWS

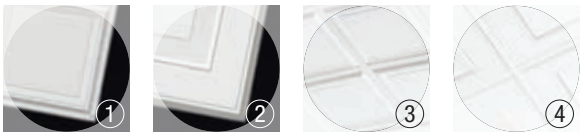


Ledges® I panel



Ledges II panel

DETAILS



1. Ledges® I Flush Tegular
2. Ledges II Flush Tegular
3. Ledges I with Prelude 15/16" suspension system
4. Ledges II with Suprafine® 9/16" suspension system

LEDGES®

Tegular
smooth texture

VISUAL SELECTION

PERFORMANCE SELECTION

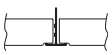
Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC	+ CAC	= Total Acoustics[1]	Fire Performance	Light Reflect	Anti-Mold & Mildew	Sag Resist	Durability	Recycled Content	Recycle Program	Warranty
LEDGES® I														
15/16" Flush Tegular 	3	**8011**	24 x 24 x 3/4" ⊞	N/A	35 •	–	Class A	0.80	Std	Std	Std	Std	•	1-Yr
LEDGES II														
9/16" Flush Tegular 	25	**8013**	24 x 24 x 3/4" □	N/A	35 •	–	Class A	0.80	Std	Std	Std	Std	•	1-Yr

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.

SUSPENSION SYSTEMS

15/16"  Prelude®

9/16"  Suprafine®

PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled).

ASTM E1264 Classification
Type III, Form 2, Pattern J Z
Fire Class A

Humidity/Sag Resistance
Standard performance ceiling panels are recommended where the building is enclosed and the HVAC is continuously functioning.

Insulation Value
R Factor - 1.6 (BTU units)
R Factor - 0.28 (Watts units)

1-Year Limited Warranty
Details at armstrongceilings.com

Weight; Square Feet/Carton
0.90 lbs/SF; 48 SF/ctn

Minimum Order Quantity
1 carton

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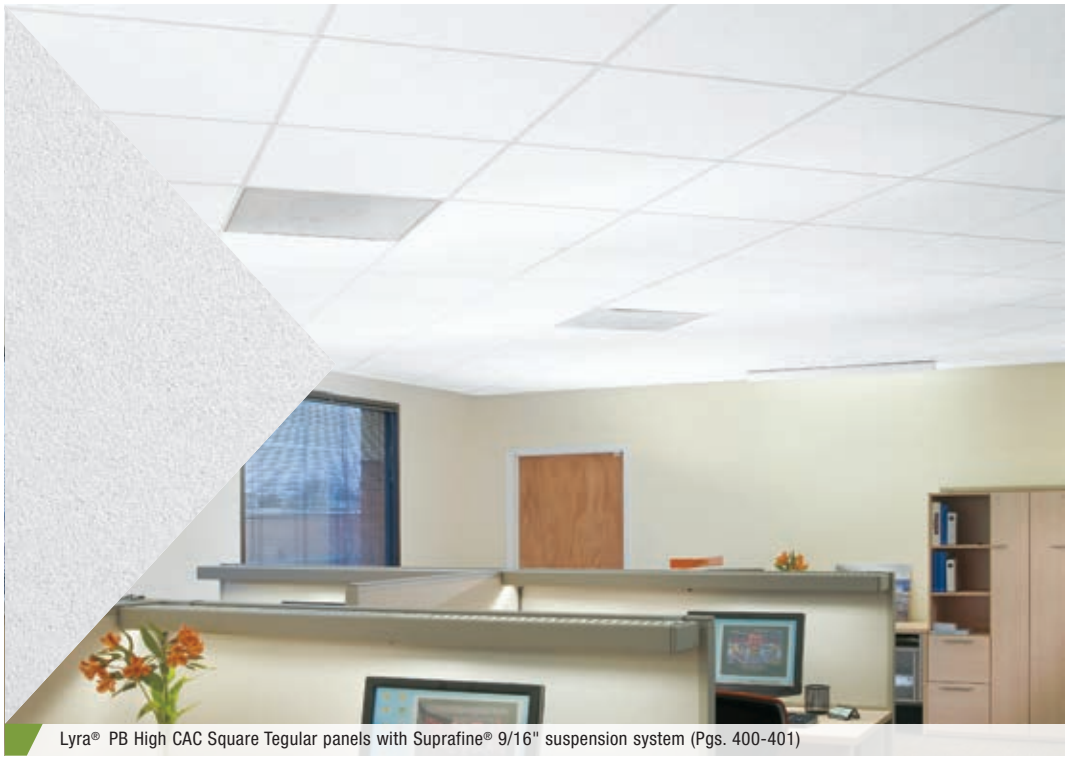
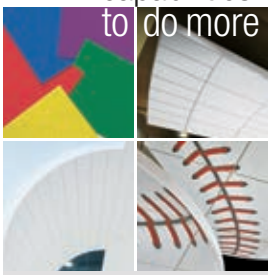
LYRA® with Plant-based Binder
LYRA® High CAC
with Plant-based Binder
Square Lay-in
smooth texture

TOTAL ACOUSTICS®
Sound Absorption (NRC)
+ Sound Blocking (CAC)



Lyra® PB High CAC Square Tegular panels with Suprafine® 9/16" suspension system (Pgs. 400-401)

plus... capabilities to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

These smooth, white, drywall-like visual panels are available in 12 standard sizes.

KEY SELECTION ATTRIBUTES

- Get total noise control and design flexibility with Total Acoustics® ceiling panels: NRC + CAC = Total Acoustics® performance
- Lyra® PB panels are part of the Sustain™ portfolio and meet the most stringent sustainability compliance standards today
- All items are manufactured with a plant-based binder
- Smooth drywall-like ceiling visual
- 12 standard panel sizes
- High acoustics (NRC 0.95, AC up to 200)
- Excellent sound-blocking High CAC item 8732 and 8752
- Washable, Impact-resistant, Scratch-resistant, Soil-resistant
- Sag-resistant panels
- Compatible with the TechZone® Ceiling Systems (pgs. 337-344)
- Coordinates with Blizzard White suspension system and Axiom® trim
- Specials capability for non-standard sizes
- Product can be recycled through the Armstrong® Ceilings Recycling Program
- 30-Year Limited System Warranty against visible sag, mold, and mildew

TYPICAL APPLICATIONS

- Offices – closed spaces for privacy and confidentiality; open spaces for focus, collaboration, and teaming
- Healthcare – assists in addressing HIPAA, HCAHPS, and FGI acoustical requirements
- Classrooms
- Corridors
- Lobbies/reception areas
- Department stores/retail

COLOR

White (WH)



Made-to-order Sherwin-Williams® Colors Available

NOTE: Custom colors not available on Lyra® PB High CAC panels

DETAILS



Lyra® PB Square Lay-in

LYRA® with Plant-based Binder
LYRA® High CAC
with Plant-based Binder
Square Lay-in
smooth texture

PLANT BASED BINDER

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

UP TO 71% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt; regional materials; design for flexibility; EPD; recyclable/extended producer resp.; biobased materials; recycled content; sourcing of raw materials; material ingredient reporting; low emitting/materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance.

$$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics: NRC	+ CAC	= Total Acoustics[1] NRC+CAC	Articulation Class AC	Fire Performance	Light Reflect	Anti-Mold & Mildew: Bio-Block	Sag Resist: Humi-Guard+	Certified Low VOC Emissions	Durability: Wash	Impact	Scratch	Soil	Recycled Content	Recycle Program	30-Yr Warranty
LYRA® with Plant-based Binder High CAC																			
15/16" Square Lay-in	1	**8732PB**	24 x 24 x 1-3/4"	0.95*	42*	BEST	200	Class A	0.88	•	•	•	•	–	•	•	•	•	•
	1 new	**8752PB**	24 x 48 x 1-3/4"	0.95*	44*	BEST	200	Class A	0.88	•	•	•	•	–	•	•	•	•	•
LYRA with Plant-based Binder																			
15/16" Square Lay-in	1	**8372PB**	24 x 24 x 1"	0.95	N/A	–	190	Class A	0.88	•	•	•	•	•	•	•	•	•	•
	1	**8373PB**	24 x 48 x 1"	0.95	N/A	–	190	Class A	0.88	•	•	•	•	•	•	•	•	•	•
	1	**8450PB**	24 x 72 x 1"	0.95*	N/A	–	190	Class A	0.88	•	•	•	•	•	•	•	•	•	•
	1	**8452PB**	30 x 30 x 1"	0.95*	N/A	–	190	Class A	0.88	•	•	•	•	•	•	•	•	•	•
	1	**8453PB**	30 x 60 x 1"	0.95*	N/A	–	190	Class A	0.88	•	•	•	•	•	•	•	•	•	•
	1	**8370PB**	48 x 48 x 1"	0.95	N/A	–	190	Class A	0.88	•	•	•	•	•	•	•	•	•	•
	1, 23	**8334PB**	4 x 48 x 1"	N/A	N/A	–	N/A	Class A	0.88	•	•	•	•	•	•	•	•	•	•
	1, 23	**8335PB**	4 x 60 x 1"	N/A	N/A	–	N/A	Class A	0.88	•	•	•	•	•	•	•	•	•	•
	1, 23	**8336PB**	6 x 48 x 1"	N/A	N/A	–	N/A	Class A	0.88	•	•	•	•	•	•	•	•	•	•
	1, 23	**8337PB**	6 x 60 x 1"	N/A	N/A	–	N/A	Class A	0.88	•	•	•	•	•	•	•	•	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)

* These items are not UL classified.

ACCESSORIES (must be ordered separately)

435



Stabilizer Clip (3/4" & 1")

Recommended for panels 60" and greater in length

NOTE: Panels 60" up to 96" – One clip near mid-point of each long edge.
Panels 96" and over – Two clips at 1/3 points of each long edge.

7870



Spring Border Clip

(For installations with the panel resting on the wall molding)

SUSPENSION SYSTEMS

15/16"



Prelude®

PHYSICAL DATA

Material
Lyra® PB: Fiberglass with acoustically transparent membrane
Lyra PB High CAC: Composite of fiberglass with acoustically transparent membrane and wet-formed mineral fiber.

Surface Finish
Acoustically transparent membrane with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled – excludes item 8732 and 8752).

ASTM E1264 Classification
Type XII, Form 2, Pattern E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Acoustical Performance
CAC testing conducted using Prelude® XL® suspension system.

High Recycled Content
Classified as containing greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Acoustical Details
A CAC value of 37 can be achieved by backloading fiberglass products with Item 769 or 770. Excludes Lyra PB High CAC.

Insulation Value
Lyra: R Factor – 4.4 (BTU units);
R Factor – 0.76 (Watts units)
Lyra High CAC: R Factor – 5.38 (BTU units);
R Factor – 0.95 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
8372, 8373 – 0.44 lbs/SF; 96 SF/ctn
8370 – 0.44 lbs/SF; 96 SF/ctn
8450 – 0.46 lbs/SF; 72 SF/ctn
8452 – 0.46 lbs/SF; 75 SF/ctn
8453 – 0.46 lbs/SF; 100 SF/ctn
8336 – 0.44 lbs/SF; 24 SF/ctn
8337 – 0.44 lbs/SF; 30 SF/ctn
8334 – 0.44 lbs/SF; 16 SF/ctn
8335 – 0.44 lbs/SF; 20 SF/ctn
8732, 8752 – 1.77 lbs/SF; 24 SF/ctn

TechLine / 1 877 276-7876
armstrongceilings.com/commercial
(search: lyra)
BPCS-4796-517

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Armstrong® CEILING & WALL SOLUTIONS

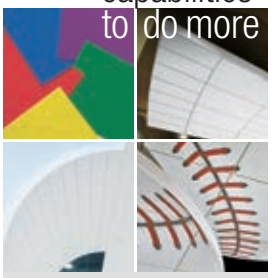
LYRA® with Plant-based Binder
LYRA® High CAC
with Plant-based Binder
Tegular
smooth texture

TOTAL ACOUSTICS®
Sound Absorption (NRC)
+ Sound Blocking (CAC)

10-YEAR REPLACEMENT PANEL AVAILABILITY



Lyra® Square Tegular panels with Suprafine® 9/16" suspension system (Pgs. 400-401)



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

These smooth, white, drywall-like visual panels are available in 28 standard sizes.

KEY SELECTION ATTRIBUTES

- Get total noise control and design flexibility with Total Acoustics® ceiling panels: NRC + CAC = Total Acoustics® performance
- Lyra® PB panels are part of the Sustain™ portfolio and meet the most stringent sustainability compliance standards today
- All items are manufactured with a plant-based binder
- Smooth drywall-like ceiling visual
- 28 standard panel sizes
- High acoustics (NRC 0.95, AC up to 200)
- Excellent sound-blocking High CAC
- Washable, Impact-resistant, Scratch-resistant, Soil-resistant
- Sag-resistant panels
- Product can be recycled through the Armstrong® Ceilings Recycling Program
- Compatible with the TechZone® Ceiling Systems (pgs. 311-318)
- Coordinates with Blizzard White suspension system and Axiom® trim
- Specials capability for non-standard sizes
- 30-Year Limited System Warranty against visible sag, mold, and mildew

TYPICAL APPLICATIONS

- Offices – closed spaces for privacy and confidentiality; open spaces for focus, collaboration, and teaming
- Healthcare – assists in addressing HIPAA, HCAHPS, and FGI acoustical requirements
- Classrooms
- Corridors
- Lobbies/reception areas
- Department stores/retail

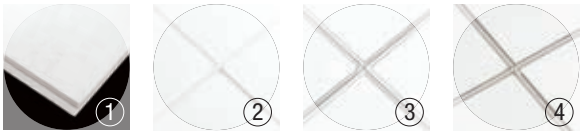
COLOR

White (WH)

Made-to-order Sherwin-Williams® Colors Available

NOTE: Custom colors not available on Lyra® PB High CAC panels

DETAILS (Other Suspension Systems compatible. Refer to listing on page 274, 276.)



1. Lyra® PB Square Tegular
2. Lyra PB Tegular with Suprafine® 9/16" suspension system and Blizzard White finish
3. Lyra PB Tegular with Silhouette® XL® 9/16" suspension system with 1/4" or 1/8" reveal and Blizzard White finish
4. Lyra PB Tegular with Interlude® XL® suspension system

LYRA® with Plant-based Binder
LYRA® High CAC
with Plant-based Binder
Tegular
smooth texture

PLANT BASED BINDER

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

UP TO 71% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt; regional materials; design for flexibility; EPD; recyclable/extended producer resp.; biobased materials; recycled content; sourcing of raw materials; material ingredient reporting; low emitting/materials; lighting quality; acoustics

LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance.

$$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC + CAC =	Total Acoustics[1] NRC + CAC	Articulation Class AC	Fire Performance	Light Reflect	Anti-Mold & Mildew: Bio-Block	Sag Resist: Humi-Guard+	Certified Low VOC Emissions	Durability: Wash	Durability: Impact	Durability: Scratch	Durability: Soil	Recycled Content	Recycle Program	30-Yr Warranty
LYRA® with Plant-based Binder High CAC																		
15/16" Square Tegular	8	**8730PB**	24 x 24 x 1-3/4"	0.95* • + 42* •	BEST	200 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	8	new **8751PB**	24 x 48 x 1-3/4"	0.95* • + 44* •	BEST	200 •	Class A	0.88	•	•	•	•	•	•	•	•	•	•
9/16" Square Tegular	26, 43, 47, 51, 55	**8731PB**	24 x 24 x 1-3/4"	0.95* • + 42* •	BEST	200 •	Class A	0.88	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	new **8748PB**	24 x 48 x 1-3/4"	0.95* • + 44* •	BEST	200 •	Class A	0.88	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	new **8749PB**	24 x 60 x 1-3/4"	0.95* • + 45* •	BEST	200 •	Class A	0.88	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	new **8750PB**	30 x 30 x 1-3/4"	0.95* • + 44* •	BEST	200 •	Class A	0.88	•	•	•	•	•	•	•	•	•	•
LYRA with Plant-based Binder																		
15/16" Square Tegular	8	**8360PB**	24 x 24 x 1"	0.95 • + N/A	–	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	8	**8352PB**	24 x 48 x 1"	0.95 • + N/A	–	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	8	**8355PB**	48 x 48 x 1"	0.95 • + N/A	–	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
9/16" Square Tegular	26, 43, 47, 51,55	**8344PB**	4 x 48 x 1"	N/A + N/A	–	NA	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51,55	**8345PB**	4 x 60 x 1"	N/A + N/A	–	NA	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51,55	**8346PB**	6 x 48 x 1"	N/A + N/A	–	NA	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51,55	**8347PB**	6 x 60 x 1"	N/A + N/A	–	NA	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)

* These items are not UL classified.

ACCESSORIES (must be ordered separately)

435



Stabilizer Clip (3/4" & 1")
Recommended for panels 60" and greater in length
NOTE: Panels 60" up to 96" – One clip near mid-point of each long edge.
Panels 96" and over – Two clips at 1/3 points of each long edge.

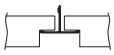
7870



Spring Border Clip
(For installations with the panel resting on the wall molding)

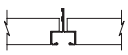
SUSPENSION SYSTEMS

15/16"

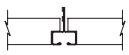


Prelude®

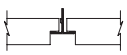
9/16"



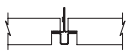
Silhouette® 1/4" Reveal



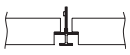
Silhouette 1/8" Reveal



Suprafine®



Interlude® XL® HRC



Sonata® XL®*

* Sonata can not be used with Lyra High CAC 24" x 60" panels

PHYSICAL DATA

Material
Lyra® PB: Fiberglass with acoustically transparent membrane
Lyra PB High CAC: Composite of fiberglass with acoustically transparent membrane and wet-formed mineral fiber.

Surface Finish
Acoustically transparent membrane with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled – excludes items 8730, 8731 8751, 8748, 8749, and 8750).

ASTM E1264 Classification
Type XII, Form 2, Pattern E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® resist the growth of mold and mildew.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Acoustical Performance
CAC testing conducted using Prelude® XL® suspension system for 15/16" edge detail and Silhouette® suspension system for 9/16" edge detail.

High Recycled Content
Classified as containing greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Acoustical Details
A CAC value of 37 can be achieved by backloading fiberglass products with Item 769 or 770. Excludes Lyra PB High CAC.

Insulation Value
Lyra: R Factor – 4.4 (BTU units);
R Factor – 0.76 (Watts units)
Lyra High CAC: R Factor – 5.38 (BTU units);
R Factor – 0.95 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
8360, 8352 – 0.46 lbs/SF; 96 SF/ctn
8355 – 0.46 lbs/SF; 96 SF/ctn
8346 – 0.44 lbs/SF; 24 SF/ctn
8347 – 0.44 lbs/SF; 30 SF/ctn
8344 – 0.44 lbs/SF; 16 SF/ctn
8345 – 0.44 lbs/SF; 20 SF/ctn
8730, 8731, 8751, 8748, 8749, 8750 – 1.77 lbs/SF; 24 SF/ctn

TechLine 877 276-7876

armstrongceilings.com/commercial

LYRA® with Plant-based Binder
LYRA® High CAC
with Plant-based Binder
Tegular
smooth texture

PLANT BASED BINDER

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

UP TO 71% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED® v4: energy management; construction waste mgmt; regional materials; design for flexibility; EPD; recyclable/extended producer resp.; biobased materials; recycled content; sourcing of raw materials; material ingredient reporting; low emitting/materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance.

$$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC + CAC = Total Acoustics[1]	Articulation Class AC	Fire Performance	Light Reflect	Anti-Mold & Mildew: Bio-Block	Sag Resist: Humi-Guard+	Certified Low VOC Emissions	Durability: Wash	Durability: Impact	Durability: Scratch	Durability: Soil	Recycled Content	Recycle Program	30-Yr Warranty
LYRA® with Plant-based Binder Square Tegular																	
9/16" Square Tegular	26, 43, 47, 51, 55	**8377PB**	12 x 48 x 1"	0.95 •	N/A –	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**8379PB**	12 x 96 x 1"	0.95* •	N/A –	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**8361PB**	24 x 24 x 1"	0.95 •	N/A –	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**8357PB**	24 x 48 x 1"	0.95 •	N/A –	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**8365PB**	24 x 60 x 1"	0.95 •	N/A –	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**8381PB**	24 x 72 x 1"	0.95 •	N/A –	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**8382PB**	24 x 96 x 1"	0.95 •	N/A –	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**8461PB**	28 x 30 x 1"	0.95 •	N/A –	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**8359PB**	30 x 30 x 1"	0.95 •	N/A –	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**8385PB**	30 x 60 x 1"	0.95 •	N/A –	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**8376PB**	36 x 36 x 1"	0.95 •	N/A –	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**8462PB**	42 x 48 x 1"	0.95* •	N/A –	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)
* These items are not UL classified.

FIBERGLASS

LYRA® with Plant-based Binder
LYRA® High CAC
with Plant-based Binder
Tegular
smooth texture

PLANT BASED BINDER

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

UP TO 71% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD ✓ | recyclable/ extended producer resp. ✓ | biobased materials ● | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting ✓ | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance.

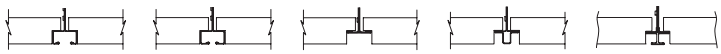
$$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC + CAC =	Total Acoustics[1] NRC + CAC	Articulation Class AC	Fire Performance	Light Reflect	Anti-Mold & Mildew Bio-Block	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Durability: Wash	Durability: Impact	Durability: Scratch	Durability: Soil	Recycled Content	Recycle Program	30-Yr Warranty
LYRA® with Plant-based Binder Square Tegular																		
9/16" Square Tegular	26, 43, 47, 51, 55	**8463PB**	44 x 48 x 1"	0.95* •	N/A	–	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**8356PB**	48 x 48 x 1"	0.95 •	N/A	–	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**8466PB**	56 x 30 x 1"	0.95 •	N/A	–	190 •	Class A	0.88 •	•	•	•	•	•	•	•	•	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)
* This item is not UL classified.

SUSPENSION SYSTEMS

9/16"



Silhouette® 1/4" Reveal | Silhouette 1/8" Reveal | Suprafine® | Interlude® XL® HRC | Sonata® XL®*

* Sonata can not be used with Lyra High CAC 24" x 60" panels

PHYSICAL DATA

Material
Lyra® PB: Fiberglass with acoustically transparent membrane
Lyra PB High CAC: Composite of fiberglass with acoustically transparent membrane and wet-formed mineral fiber.

Surface Finish
Acoustically transparent membrane with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled Excludes items 8379, 8462, and 8463).

ASTM E1264 Classification
Type XII, Form 2, Pattern E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® resist the growth of mold and mildew.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

High Recycled Content
Classified as containing greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
Lyra: R Factor – 4.4 (BTU units);
R Factor – 0.76 (Watts units)
Lyra High CAC: R Factor – 5.38 (BTU units);
R Factor – 0.95 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
8356 – 0.46 lbs/SF; 96 SF/ctn
8377, 8379 – 0.50 lbs/SF; 48 SF/ctn
8361, 8357 – 0.46 lbs/SF; 96 SF/ctn
8365 – 0.50 lbs/SF; 100 SF/ctn
8381 – 0.50 lbs/SF; 72 SF/ctn
8382 – 0.50 lbs/SF; 96 SF/ctn
8359, 8376 – 0.46 lbs/SF; 75 SF/ctn
8385 – 0.46 lbs/SF; 100 SF/ctn
8461, 8466 – 0.44 lbs/SF; 70 SF/ctn
8462 – 0.44 lbs/SF; 112 SF/ctn
8463 – 0.44 lbs/SF; 117 SF/ctn

TechLine / 1 877 276-7876
armstrongceilings.com/commercial
(search: lyra)
BPCS-5146-517

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Armstrong® CEILING & WALL SOLUTIONS

LYRA® Concealed

Concealed Suspension
smooth texture



Lyra® Concealed panels with Prelude® XL® 15/16" suspension system (Pgs. 391-392)

plus... capabilities to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Smooth, white drywall-like visual with a fully concealed suspension system, creates a monolithic look with accessibility.

KEY SELECTION ATTRIBUTES

- Large format acoustical panels
- Downward accessible for minimal plenum height
- Outstanding acoustical performance for open plan areas, both Noise Reduction and Articulation Class (NRC 0.90, AC up to 190)
- Smooth, clean, durable finish – Washable, Scratch-resistant, Soil-resistant
- Energy-saving, high light-reflective finish
- 30-Year Limited System Warranty against visible sag, mold, and mildew

TYPICAL APPLICATIONS

- Renovation – installs on existing 15/16" suspension system
- Open plan office areas
- Auditoriums
- Areas with limited plenum depth
- Areas with indirect lighting systems

COLOR

White (WH)



Made-to-order Sherwin-Williams® Colors Available

DETAILS





1. Lyra® Concealed
2. Lyra Concealed with Prelude® XL® 15/16" suspension system

LYRA® Concealed

Concealed Suspension
smooth texture

UP TO 71% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD | recyclable/ extended producer resp. ✓ | biobased materials | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION

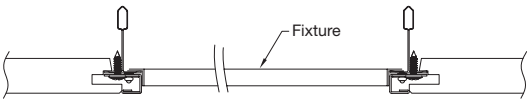
PERFORMANCE SELECTION

Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics: NRC	+	CAC	=	Total Acoustics[1]	Articulation Class AC	Fire Performance	Light Reflect	Anti-Mold & Mildew: Bio-Block	Sag Resist: Humi-Guard+	Certified Low VOC Emissions	Durability: Wash	Durability: Scratch	Durability: Soil	Recycled Content	Recycle Program	30-Yr Warranty
LYRA® Concealed																				
Quick Kerf™ Edge	106	**8430**	30 x 30 x 7/8"	0.90 •	–		–	190 •	Class A	0.88 •		•	•	–	•	•	•	•	•	•
Non-support Edge	106	**8433**	24 x 48 x 7/8"	0.90 •	–		–	190 •	Class A	0.88 •		•	•	–	•	•	•	•	•	•
	106	**8431**	24 x 72 x 7/8"	0.90 •	–		–	190 •	Class A	0.88 •		•	•	–	•	•	•	•	•	•
	106	**8432**	24 x 96 x 7/8"	0.90 •	–		–	190 •	Class A	0.88 •		•	•	–	•	•	•	•	•	•
	106	**8434**	48 x 48 x 7/8"	0.90 •	–		–	190 •	Class A	0.88 •		•	•	–	•	•	•	•	•	•
	106	**Other sizes**	W: 4" – 30" / L: 12" – 96" W: >30" – 48" / L: 12" – 48" 7/8" Thick	N/A	N/A		–	N/A	Class A	0.88 •		•	•	–	•	•	•	•	•	•

[1] ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)

CONCEALED – FIXTURE TRIMS



FIXTURE TRIM

Item No.	Length	Pcs	Color
FTP4ZW	4" Concealed Fixture Kit	24	Blizzard White
FTP6ZW	6" Concealed Fixture Kit	24	Blizzard White
FTP24ZW	24" Concealed Fixture Kit	24	Blizzard White
FTP48ZW	48" Concealed Fixture Kit	24	Blizzard White
FTP96ZW	96" Concealed Fixture Kit	24	Blizzard White
Other Size Fixture Trims	4" to 96" Trim Pieces	–	Blizzard White (custom colors available)

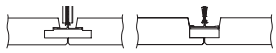
Fixture trim kits include 24 straight trim pieces, 24 corner brackets, screws, and pop rivets. Example: For a space with 24" x 48" fixtures, order (1) 24" kit FTP24ZW and (1) 48" kit FTP48ZW. This will frame (12) 24" x 48" fixtures.

ACCESSORIES (must be ordered separately)

Item No.		
441		Border Clip. Used for corners and special cutouts.
442A		Hold Down Clip
7425 / 7445		24" Stabilizer Bar / 48" Stabilizer Bar
522		Mid-point Clip (Needed for panels over 30" wide)
7870		Spring Border Clip (For installations with the panel resting on the wall molding)

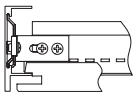
SUSPENSION SYSTEMS

15/16"



Quick Kerf™ Edge Non-support Edge
Prelude® XL®

AXIOM® TRIM DETAIL



Lyra® Concealed panels with Axiom® Vector® trim for cloud friendly design. **Blizzard White** color and texture coordinated finish available to complement Lyra ceiling panels.

PHYSICAL DATA

Material
Fiberglass with acoustically transparent membrane.

Surface Finish
Acoustically transparent membrane with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled).

ASTM E1264 Classification
Type XII, Form 2, Pattern E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Anti-Mold/Mildew
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

Acoustical Details
CAC backing may be available as a special order.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
R Factor – 3.5 (BTU units)
R Factor – 0.62 (Watts units)

Design Consideration
Use fixture trim kit around all lights, diffusers, and other ceiling penetrations to avoid exposed suspension system and panel edges. Panel sizes less than 24" x 24" are not recommended for full-field installations.

Border panels in a seismic installation will not be accessible. To ensure border panels are accessible in other areas, consult installation instructions section 3.7.2

Installation Consideration
Lyra® Concealed panels must be installed on a square, level suspension system as tolerance is near zero.

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
8430 – 0.55 lbs/SF; 75 SF/ctn
8431 – 0.55 lbs/SF; 72 SF/ctn
8433, 8432 – 0.55 lbs/SF; 96 SF/ctn
8434 – 0.55 lbs/SF; 64 SF/ctn

Minimum Order Quantity
1 carton

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armstrongceilings.com/commercial
(search: lyra concealed)
BPCS-5344-517

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Armstrong® CEILING & WALL SOLUTIONS

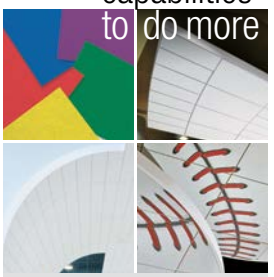
LYRA®

Vector®
smooth texture



Lyra® Vector® panels with Prelude® 15/16" suspension system

plus...
capabilities
to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Smooth-textured acoustical panel is ideal for projects with limited plenum space: requires about 6" of clear space from the deck.

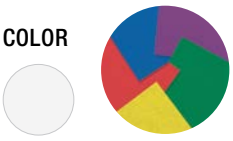
KEY SELECTION ATTRIBUTES

- 1/4" reveal between acoustical panels results in a monolithic appearance
- Downward accessible for minimal plenum height
- Outstanding acoustical performance for open plan areas, both Articulation Class (190) and NRC (0.90)
- Smooth, clean durable finish –
  Washable
  Scratch-resistant
  Soil-resistant
- Energy-saving high light-reflective finish
- Product can be recycled through the Armstrong Ceilings Recycling Program
- 30-Year Limited System Warranty against visible sag, mold, and mildew

TYPICAL APPLICATIONS

- Renovation – installs on existing 15/16" suspension
- Open plan offices
- Lobbies
- Corridors (walls-to-deck)
- Areas with limited plenum depth
- Areas with indirect lighting systems

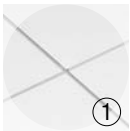
COLOR



White
(WH)

Made-to-order
Sherwin-Williams®
Colors Available

DETAILS



1. Lyra® Vector® with Prelude® XL® 15/16" suspension system

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armstrongceilings.com/commercial

Armstrong®
CEILING & WALL SOLUTIONS

LYRA®

Vector®
smooth texture

UP TO 71% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓, construction waste mgmt ✓, regional materials ✓, design for flexibility ✓, EPD, recyclable/extended producer resp. ✓, biobased materials, recycled content ✓, sourcing of raw materials ✓, material ingredient reporting, low emitting/materials ✓, lighting quality ✓, acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance.

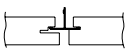
$$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC + CAC =	Total Acoustics[1]	Articulation Class AC	Fire Performance	Light Reflect	Anti-Mold & Mildew Bio-Block	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Durability: Wash	Durability: Scratch	Durability: Soil	Recycled Content	Recycle Program	30-Yr Warranty
LYRA® Vector®																	
1/4" Reveal with 15/16" Vector	73	**8494**	24 x 24 x 7/8"	0.90 • N/A	–	190 •	Class A	0.88 •	•	•	–	•	•	•	•	•	•
	73	**8495**	24 x 48 x 7/8"	0.90 • N/A	–	190 •	Class A	0.88 •	•	•	–	•	•	•	•	•	•
	73	**8496**	24 x 72 x 7/8"	0.90 • N/A	–	190 •	Class A	0.88 •	•	•	–	•	•	•	•	•	•
	73	**8497**	24 x 96 x 7/8"	0.90 • N/A	–	190 •	Class A	0.88 •	•	•	–	•	•	•	•	•	•
	73	**8498**	30 X 30 x 7/8"	0.90 • N/A	–	190 •	Class A	0.88 •	•	•	–	•	•	•	•	•	•
	73	**8499**	48 x 48 x 7/8"	0.90 • N/A	–	190 •	Class A	0.88 •	•	•	–	•	•	•	•	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.

SUSPENSION SYSTEMS

15/16"



Prelude®

VECTOR – FIXTURE TRIMS

Item No.	Length	Color	Substrate
5790	12"	White	Extruded PVC
5791	24"	White	Extruded PVC
5792	30"	White	Extruded PVC
5793	48"	White	Extruded PVC

ACCESSORIES (must be ordered separately)

Item No.		
441		Vector Border Clip (required for installations with the suspension system resting on the wall molding). Primarily used for corners and special cutouts.
442A		Vector Hold-Down Clip (required for installation)
7425 (24"), **7431** (30"), **7445** (48"), **7461** (60") Stabilizer Bars		
522		Mid-point Clip 48" x 48" Vector panels only
7870		Spring Border Clip (For installations with the panel resting on the wall molding)

PHYSICAL DATA

Material
Fiberglass with acoustically transparent membrane

Surface Finish
Acoustically transparent membrane with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled.)

ASTM E1264 Classification
Type XII, Form 2, Pattern E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Design Considerations
Use fixture trim kit around all lights, diffusers, and other ceiling penetrations to avoid exposed suspension system and panel edges.

Insulation Value
R Factor – 3.5 (BTU units)
R Factor – 0.62 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
8494 – 0.58 lbs/SF; 48 SF/ctn
8495, 8497 – 0.56 lbs/SF; 96 SF/ctn
8496 – 0.57 lbs/SF; 72 SF/ctn
8498 – 0.59 lbs/SF; 75 SF/ctn
8499 – 0.60 lbs/SF; 64 SF/ctn

Minimum Order Quantity
1 carton

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MESA™/MESA™ Second Look®

Square Lay-in & Tegular
fine texture

TOTAL ACOUSTICS®
Sound Absorption (NRC)
+ Sound Blocking (CAC)



Mesa™ panels with Suprafine® 9/16" suspension system (Pgs. 400-401)



See more photos at:
armstrongceilings.com/photogallery
SEARCH: mesa

Fine-textured visual with good sound absorption and excellent sound-blocking options. Second Look® items offer a scored visual.

KEY SELECTION ATTRIBUTES

- Get total noise control and design flexibility with Total Acoustics® ceiling panels: NRC + CAC = Total Acoustics® performance
- Fine-textured visual
- Excellent sound-blocking option
- USDA Certified Biobased Product – 100%
- Non-directional visual reduces installation time and scrap (excludes Second Look® items)
- Smaller size panels available (1 carton min. order). Info: armstrongceilings.com/specials
- 30-Year Limited System Warranty against visible sag, mold, and mildew

TYPICAL APPLICATIONS

- Offices/conference rooms
- Healthcare – assists in addressing HIPAA, HCAHPS and FGI acoustical requirements (excludes items 680 and 683)
- Schools/classrooms
- Corridors
- Lobbies/reception areas
- Computer rooms

COLOR

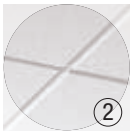
White
(WH)

FACE VIEW

Mesa Second Look® II panel – Scoring created nominal 24" x 24" squares

DETAILS (Other Suspension Systems compatible. Refer to listing on page 280.)





1. Mesa™
2. Mesa with Suprafine® 9/16" suspension system

UP TO 56% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED® energy management · construction waste mgmt · regional materials · design for flexibility · EPD · recyclable/extended producer resp. · biobased materials · recycled content · sourcing of raw materials · material ingredient reporting · low emitting/materials · lighting quality · acoustics

LOCATION DEPENDENT

MESA™/MESA™ Second Look®

Square Lay-in & Tegular
fine texture

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC + CAC =	Total Acoustics[1] NRC+CAC	Fire Performance	Light Reflect	Anti-Mold & Mildew Bio-Block	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Scratch Durability	Recycled Content	Recycle Program	30-Yr Warranty
MESA™														
15/16" Square Lay-in	1	**680**	24 x 24 x 3/4"	0.60 33	–	Class A	0.85 •	•	•	•	•	•	•	•
	1	**683**	24 x 48 x 3/4"	0.60 33	–	Class A	0.85 •	•	•	•	•	•	•	•
	1	**Other Size Panels**	W: 12" – 30" / L: 18" – 72" 3/4" Thick	N/A N/A	–	Class A	0.85 •	•	•	•	•	•	•	•
15/16" Angled Tegular	13	**681**	24 x 24 x 3/4"	0.60 35 •	GOOD	Class A	0.85 •	•	•	•	•	•	•	•
	13	**686**	24 x 24 x 3/4"	0.60 40 •	GOOD	Class A	0.85 •	•	•	•	•	•	•	•
	13	**684**	24 x 48 x 3/4"	0.60 35 •	GOOD	Class A	0.85 •	•	•	•	Std	•	•	•
	13	**Other Size Panels**	W: 12" – 30" / L: 18" – 72" 3/4" Thick	N/A N/A	–	Class A	0.85 •	•	•	•	Std	•	•	•
9/16" Beveled Tegular	29, 44, 48, 52, 56	**682**	24 x 24 x 3/4"	0.60 35 •	GOOD	Class A	0.85 •	•	•	•	•	•	•	•
	29, 44, 48, 52, 56	**687**	24 x 24 x 3/4"	0.60 40 •	GOOD	Class A	0.85 •	•	•	•	•	•	•	•
	29, 44, 48, 52, 56	**685**	24 x 48 x 3/4"	0.60 35 •	GOOD	Class A	0.85 •	•	•	•	Std	•	•	•
	29, 44, 48, 52, 56	**Other Size Panels**	W: 12" – 30" / L: 18" – 72" 3/4" Thick	N/A N/A	–	Class A	0.85 •	•	•	•	Std	•	•	•
MESA™ Second Look® II														
15/16" Angled Tegular	11	**688**	24 x 48 x 3/4"	0.60 35 •	GOOD	Class A	0.85 •	•	•	•	•	•	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)

SUSPENSION SYSTEMS

15/16" Prelude®

9/16" Silhouette® 1/4" Reveal · Silhouette 1/8" Reveal · Suprafine® · Interlude® · Sonata®

PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled).

ASTM E1264 Classification
Type III, Form 2, Pattern C E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Acoustical Performance
CAC testing conducted using Prelude® XL® suspension system for 15/16" edge detail and Silhouette® suspension system for 9/16" edge detail.

Primary (Embodied) Energy
See all LCA information on our EPDs.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
R Factor – 1.6 (BTU units)
R Factor – 0.28 (Watts units)

Design Consideration
Do not mix Mesa™ Second Look® panels with Standard Mesa panels in the same room.

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
680, 681, 682 – 1.02 lbs/SF; 48 SF/ctn
683, 684, 685 – 1.02 lbs/SF; 64 SF/ctn
686, 687 – 1.40 lbs/SF; 48 SF/ctn
688 – 1.02 lbs/SF; 64 SF/ctn

Minimum Order Quantity
1 carton, excludes other size panels

Metric Items Available
680M, 683M, 682M, 681M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

TechLine / 1 877 276-7876
armstrongceilings.com/commercial
(search: mesa)
BPCS-3642-517

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Armstrong® CEILING & WALL SOLUTIONS

METAPHORS®

Crown, Cove, Convex, Bead & Linear coffers and infill panels



Metaphors® Cove Coffers with Ultima® Lay-in infill panels (Pgs. 311-314)

Metaphors® coffers are available in over 700 standard colors, designs, and acoustical combinations.

KEY SELECTION ATTRIBUTES

- Five different coffer designs in four standard colors
- Infill panels available in Infusions®, MetalWorks™, MetalWorks Tin, WoodWorks®, and Ultima® visuals
- Enhance acoustics with MetalWorks perforated or Ultima infill panels (NRC 0.70-0.90)
- Custom options:
  - Coffers available in coordinating custom colors
  - Suspension systems available in coordinating custom colors
  - For details on custom infill panels and/or coffer colors, contact TechLine at 1 877 ARMSTRONG

TYPICAL APPLICATIONS

- Retail
- Hospitality
- Assisted Living

COLORS – COFFERS

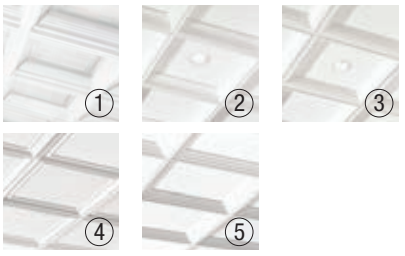
Due to printing limitations, shade may vary from actual product.



White (WH) | Silver Grey (SG) | Gun Metal Grey (MY) | Black (BL) | Made-to-order Sherwin-Williams® Colors Available

Sherwin-Williams® colors available on coffers and suspension systems.
Contact TechLine at 1-877-276-7876

METAPHORS COFFERS STYLES



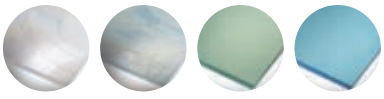
1. Metaphors® Crown
2. Metaphors® Cove
3. Metaphors® Convex
4. Metaphors® Bead
5. Metaphors® Linear

Coffers with Ultima 18" x 18" infill panel, Suprafine 9/16" suspension system (Pgs. 399-400)

METAPHORS INFILL PANEL SELECTION

Due to printing limitations, shade may vary from actual product.

Infusions®



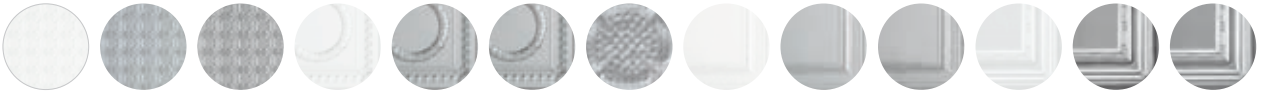
Clear Arbor (TCA) | Blue Arbor (TBA) | Refined Kiwi (TRK) | Refined Reef (TRR) | Refined Lagoon (TRL) | Refined Plum (TRP) | Refined Tangerine (TRT) | Spun Copper (TSC) | Linen Gold (TLG)

MetalWorks™



White (WH) | Silver Grey (SG) | Gun Metal Grey (MY) | Black (BL) | Microperforated*

MetalWorks™ Tin



Item 6613 in White (TWH) | Item 6613 in Bare Steel (TNA) | Item 6613 in Lacquered Steel (TLS) | Item 6614 in White (TWH) | Item 6614 in Bare Steel (TNA) | Item 6614 in Lacquered Steel (TLS) | Extra Microperforated** | Item 6615 in White (TWH) | Item 6615 in Bare Steel (TNA) | Item 6615 in Lacquered Steel (TLS) | Item 6616 in White (TWH) | Item 6616 in Bare Steel (TNA) | Item 6616 in Lacquered Steel (TLS)

WoodWorks®



Bamboo Patina (BAP) | Bamboo Native (BAN) | Natural Variations™ Maple (NMP) | Natural Variations Light Cherry (NLC) | Natural Variations Dark Cherry (NDC) | Natural Variations Walnut (NWN) | Natural Variations Light Oak (NOK) | Natural Variations Dark Walnut Espresso (NWE)

Ultima®

White (WH)

* Available for all MetalWorks finishes
** Available for all Tin items and finishes
NOTE: For details about premium and custom infill panel patterns, perforations, and finishes, contact TechLine at 1 877 276-7876.

METAPHORS®

Crown, Cove, Convex, Bead & Linear coffers and infill panels

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No. ◆	Description	Dimensions (Inches)	Fire Performance	Recycled Content	Recycle Program	Warranty
METAPHORS® Coffers								
9/16" or 15/16"	78, 83	**5726**_ _	Crown Coffer	24 x 24 x 3"	Class A	Std	–	1-Yr
9/16" or 15/16"	79, 84	**5727**_ _	Cove Coffer	24 x 24 x 3"	Class A	Std	–	1-Yr
9/16" or 15/16"	80, 85	**5725**_ _	Convex Coffer	24 x 24 x 1.94"	Class A	Std	–	1-Yr
9/16" or 15/16"	82, 87	**5728**_ _	Bead Coffer	24 x 24 x 1.125"	Class A	Std	–	1-Yr
9/16" or 15/16"	81, 86	**5729**_ _	Linear Coffer	24 x 24 x 2"	Class A	Std	–	1-Yr

◆ Add 2-letter color suffix to item number when specifying or ordering (e.g., 5726 S G)

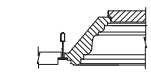
Edge Profile	Item No. ◆◆	Description	Dimensions (Inches)		UL Classified Acoustics NRC + CAC = Total Acoustics[1]	Fire Performance	Recycle Content	Recycle Program	30-Yr Warranty
METAPHORS Infill Panels					UL Classified				
Square Lay-in	**6541** _ _ _	Infusions® Infill Panel	18 x 18 x 0.125"	☐	N/A	Class A	Std	–	1-Yr
Square Lay-in	**6613**_ _ _ _ _ **6614**_ _ _ _ _ **6615**_ _ _ _ _ **6616**_ _ _ _ _	MetalWorks™ Tin Infill Panel Unperforated (B1) MetalWorks Tin Infill Panel Extra Microperforated (B3)	18 x 18 x 0.010"	☐	N/A N/A	Class A	Std	–	1-Yr
Square Tegular	**6448M1** _ _ **6448M2** _ _	MetalWorks Infill Panel Unperforated (M1) MetalWorks Infill Panel Microperforated (M2)	18 x 18 x 0.021"	☐	N/A N/A	Class A	Std	–	1-Yr
Square Tegular	**6447W1** _ _ _	WoodWorks® Infill Panel	18 x 18 x 0.75"	☐	–	Class A	•	–	1-Yr
Beveled Tegular	**1918**	Ultima® Infill Panel	18 x 18 x 0.75"	☐	N/A	Class A	•	•	•

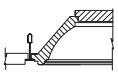
[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.

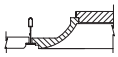
◆◆ Add 2-, 3-, or 5-letter color suffix item number when specifying or ordering (e.g., 6541 T R K). For perforated items, include the 2-digit perforation suffix and 3-letter color suffix (e.g., 6448M1 S G, 6613B3 T W H, 6447W1 N M P).

SUSPENSION SYSTEMS

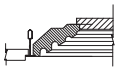
15/16"* or 9/16"


Suprafine® suspension system with Crown Coffer


Suprafine suspension system with Cove Coffer


Suprafine suspension system with Convex Coffer


Suprafine suspension system with Bead Coffer


Suprafine suspension system with Linear Coffer

* 15/16" not shown

PHYSICAL DATA

Material
5725, 5726, 5727, 5728, 5729 – Glass reinforced gypsum coffer; 6541 – Polycarbonate; 6448 – Electrogalvanized steel; 6613, 6614, 6615, 6616 – Steel; 6447 – Fire retardant particle board with face-cut veneers, California Air Resources Board (CARB) Compliant; 1918 – Wet-formed mineral fiber

Surface Finish
6541 – Smooth; 6448 – Factory-applied powder-coated finish (post-coated); 6614, 6615, 6616 – White, factory-applied powder-coated finish; Bare Steel, unfinished; Lacquered Steel, factory-applied lacquered finish; 6447 – Clear or tinted semi-gloss coating; 1918 – DuraBrite® with factory-applied latex paint

Fire Performance
All items except 6541 – ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

6541 – Infusions panels have been tested according to the NFPA 286 and are equivalent to Class A Interior Finish as defined by the International Building Code. Designers and installers are advised to consult a fire protection engineer, NFPA 13, and local codes for guidance where automatic fire detection and suppression systems are present.

ASTM E1264 Classification
6448 – Fire Class A; Unperforated - Type XX, Pattern G; Perforated – Type X, Pattern C; 6613, 6614, 6615, 6616 – Fire Class A; Unperforated – Type XX, Pattern J Z; Perforated – Type XX, Pattern C J Z; 6447 – Composite – Fire Class A; 1918 – Type IV, Form 2, Pattern E, Fire Class A

Insulation Value
1918 – R Factor 2.2 (BTU units)
R Factor 0.39 (Watts units)

Application Considerations
Clear plenum height must be at least 9 inches to accommodate 24" x 24" Metaphors Coffers. Bead profile requires only 5 inches. Coffers are intended for full panel installation only. Do not cut.

Seismic Restraint
Engineered, tested, and approved for application in all seismic areas.

Warranty
One (1) year limited warranty.
Details at armstrongceilings.com

Weight; Square Feet/Carton
5725, 5726, 5727, 5728, 5729 - 2.35 lbs/SF; 20 SF/ctn; 5 pcs/ctn
6541 – 0.8 lbs/SF; 13.5 SF/ctn; 6 pcs/ctn
6448 – 0.89 lbs/SF; 22.5 SF/ctn
6613, 6614, 6615, 6616 – 0.50 lbs/SF; 22.5 SF/ctn
6447 – 2.75 lbs/SF; 22.5 SF/ctn; 10 pcs/ctn
1918 – 1.08 lbs/SF; 22.5 SF/ctn; 10 pcs/ctn

Minimum Order Quantity
4 cartons

TechLine℠ / 1 877 276-7876
armstrongceilings.com/commercial
(search: metaphors)
BPCS-3617-517

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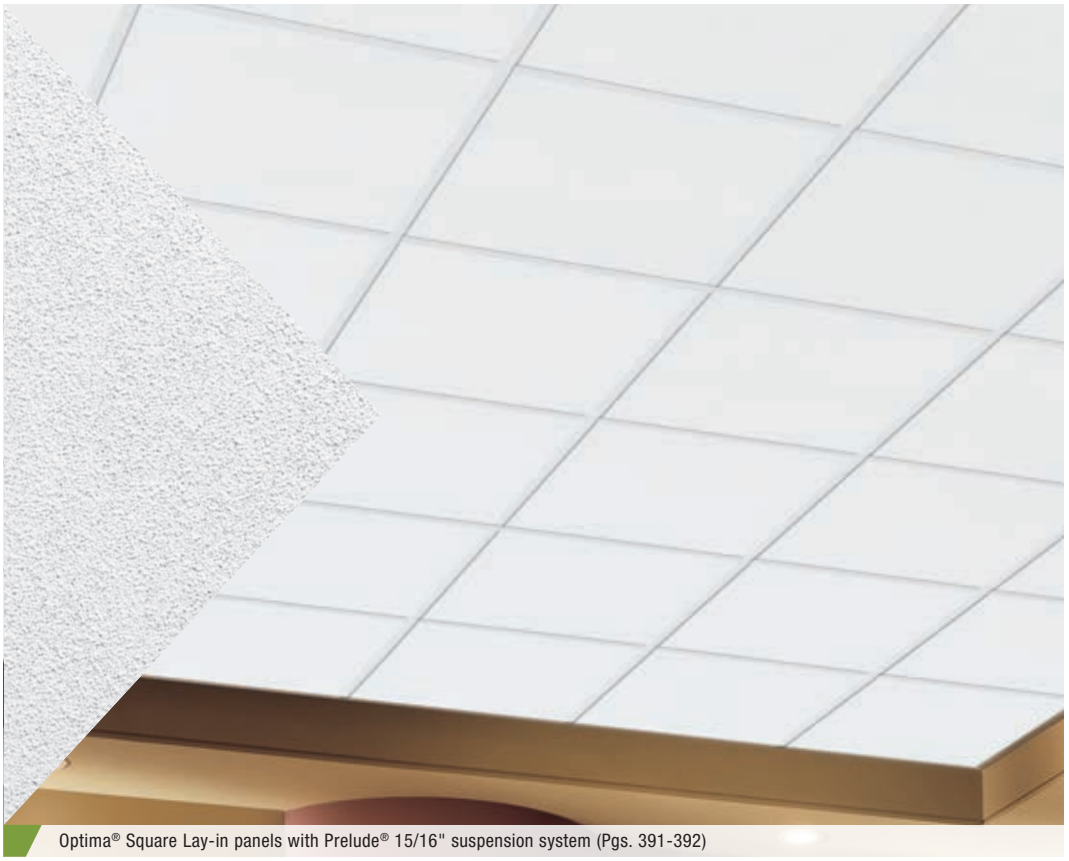
OPTIMA®
OPTIMA® with Plant-based Binder
Square Lay-in
fine texture

10-YEAR REPLACEMENT PANEL AVAILABILITY
3152, 3153



Optima® Square Lay-in panels with Prelude® 15/16" suspension system (Pgs. 391-392)

plus... capabilities to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Smooth-textured Optima® panels provide excellent acoustical absorption and more standard-size options than any other texture in the line.

KEY SELECTION ATTRIBUTES

- Outstanding acoustical performance for open plan areas, both Articulation Class (180-200) and NRC (0.90-1.00)
- Items with PB suffix are manufactured with a plant-based binder
- Optima® PB panels are part of the Sustain™ portfolio and meet the most stringent sustainability compliance standards today
- Smooth, clean, durable finish – Washable, Impact-resistant, Scratch-resistant, Soil-resistant
- Energy-saving high light-reflective finish
- Non-directional visual reduces scrap and installation time
- Sag-resistant large-size panels
- Compatible with TechZone® Ceiling Systems (Pgs. 337-344)
- Item 3352 available with Create!™ printed images and patterns, see pages 245-247
- 30-Year Limited System Warranty against visible sag, mold, and mildew

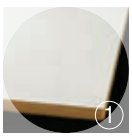
TYPICAL APPLICATIONS

- Open plan offices
- Computer rooms
- Corridors (walls-to-deck)
- Auditoriums
- Waiting rooms/nurses' stations
- Areas with indirect lighting systems

COLOR

White
(WH)

DETAILS





1. Optima® Square Lay-in
2. Optima Square Lay-in with Prelude® 15/16" suspension system

OPTIMA®
OPTIMA®
with Plant-based Binder
Square Lay-in
fine texture

PLANT BASED BINDER
As Noted

Declare℠
Living Building Challenge Compliant
PB Suffix Only

SUSTAIN™
High Performance Sustainable Ceiling Systems
PB Suffix Only

UP TO 71% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt; regional materials (LOCATION DEPENDENT); design for flexibility; EPD; recyclable/extended producer resp.; biobased materials (PB ONLY); recycled content; sourcing of raw materials; material ingredient reporting (PB ONLY); low emitting/materials (PB ONLY); lighting quality; acoustics

VISUAL SELECTION

PERFORMANCE SELECTION
Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC + CAC =	Total Acoustics[1]	Articulation Class AC	Fire Performance	Light Reflect	Anti-Mold & Mildew Bio-Block	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Durability: Wash	Durability: Impact	Durability: Scratch	Durability: Soil	Recycled Content	Recycle Program	30-Yr Warranty
OPTIMA®																		
15/16" Square Lay-in	1	**1462**	4 x 48 x 1"	N/A N/A	–	N/A	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	1	**1463**	4 x 60 x 1"	N/A N/A	–	N/A	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	1	**1400**	6 x 48 x 1"	N/A N/A	–	N/A	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	1	**1404**	6 x 60 x 1"	N/A N/A	–	N/A	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	1	**3156**	20 x 60 x 1"	0.95 • N/A	–	190 •	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	1	**3150** **3150PB**	24 x 24 x 3/4"	0.90 • N/A	–	180 •	Class A	0.90 •	•	•	– •	•	•	•	•	•	•	•
	1	**3152** **3152PB**	24 x 24 x 1"	0.95 • N/A	–	190 •	Class A	0.90 •	•	•	– •	•	•	•	•	•	•	•
	1	**3352**	24 x 24 x 1"	0.90 • 26	–	200 •	Class A	0.90 •	•	•	–	•	•	•	•	•	–	•
	1	**3159**	24 x 24 x 1-1/2"	1.00 • N/A	–	200 •	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
Optima items with the PB suffix are included in the Sustain™ portfolio and carry Declare℠ certification.

SUSPENSION SYSTEMS

15/16"

Prelude®

Blizzard White – Suspension System Finish
A color and texture coordinated suspension system to complement Optima® ceiling panels for a monolithic look and feel.

PHYSICAL DATA

Material
3150, 3156, 3159, 1462, 1463, 1400, 1404, 3152 – Fiberglass with DuraBrite® acoustically transparent membrane 3352 – Fiberglass with DuraBrite acoustically transparent membrane; CAC backing

Surface Finish
DuraBrite with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled).

ASTM E1264 Classification
Type XII, Form 2, Pattern E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® resist the growth of mold and mildew.

VOC Emissions
(PB suffix items only)
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Primary (Embodied) Energy
See all LCA information on our EPDs.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Acoustical Details
Some items have CAC backing. CAC backing may be available as a special order. A CAC value of 37 can be achieved by backloading fiberglass products with item 769 or 770.

Insulation Value
1400, 1404, 1462, 1463,
3152, 3156, 3352, –
R Factor – 4.0 (BTU units)
R Factor – 0.70 (Watts units)
3150 – R Factor – 3.0 (BTU units)
R Factor – 0.53 (Watts units)
3159 – R Factor – 6.0 (BTU units)
R Factor – 1.05 (Watts units)

Application Consideration
Do not mix Optima panels and Optima® Health Zone™ panels in the same room.

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
1400 – 0.13 lbs/SF; 24 SF/ctn
1404 – 0.16 lbs/SF; 30 SF/ctn
1462 – 0.44 lbs/SF; 16 SF/ctn
1463 – 0.44 lbs/SF; 20 SF/ctn
3150, 3150PB – 0.44 lbs/SF; 128 SF/ctn
3152, 3152PB – 0.45 lbs/SF; 96 SF/ctn
3159 – 0.61 lbs/SF; 64 SF/ctn
3156 – 0.47 lbs/SF; 100 SF/ctn
3352 – 0.46 lbs/SF; 96 SF/ctn

Minimum Order Quantity
1 carton, excludes other size panels

Metric Items Available
3150M, 3152M, 3156M, 3159M –
Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

OPTIMA®
OPTIMA®
with Plant-based Binder
Square Lay-in
fine texture

PLANT BASED BINDER
As Noted

Declare℠
Living Building Challenge Compliant
PB Suffix Only

SUSTAIN™
High Performance Sustainable Ceiling Systems
PB Suffix Only

UP TO 71% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED® v4: energy management; construction waste mgmt; regional materials; design for flexibility; EPD; recyclable/extended producer resp.; biobased materials; recycled content; sourcing of raw materials; material ingredient reporting; low emitting/materials; lighting quality; acoustics

▲ LOCATION DEPENDENT ▲ PB ONLY ▲ PB ONLY ▲ PB ONLY

VISUAL SELECTION

PERFORMANCE SELECTION
Dots represent high level of performance.

Edge Profile		Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC	+	CAC	=	Total Acoustics[1]	Articulation Class AC	Fire Performance	Light Reflect	Anti-Mold & Mildew Bio-Block	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Durability: Wash	Durability: Impact	Durability: Scratch	Durability: Soil	Recycled Content	Recycle Program	30-Yr Warranty
OPTIMA®																						
15/16" Square Lay-in	1		**3151** **3151PB**	24 x 48 x 3/4"	0.90 •	+	N/A	=	–	180 •	Class A	0.90 •	•	•	– •	•	•	•	•	•	•	•
	1		**3153** **3153PB**	24 x 48 x 1"	0.95 •	+	N/A	=	–	190 •	Class A	0.90 •	•	•	– •	•	•	•	•	•	•	•
	1		**3353**	24 x 48 x 1"	0.90 •	+	26	=	–	200 •	Class A	0.90 •	•	•	–	•	•	•	•	•	–	•
	1		**3155**	24 x 48 x 1-1/2"	1.00 •	+	N/A	=	–	200 •	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	1		**3356**	24 x 48 x 1-1/2"	0.95 •	+	26	=	–	200 •	Class A	0.90 •	•	•	–	•	•	•	•	•	–	•
	1		**3164**	24 x 60 x 3/4"	0.90 •	+	N/A	=	–	180 •	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	1		**3161**	24 x 72 x 3/4"	0.90 •	+	N/A	=	–	180 •	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	1		**3162**	24 x 96 x 3/4"	0.90 •	+	N/A	=	–	180 •	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	1		**3158**	30 x 30 x 1"	0.95 •	+	N/A	=	–	190 •	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	1		**3157**	30 x 60 x 1"	0.95 •	+	N/A	=	–	190 •	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	1		**3160** **3160PB**	48 x 48 x 1"	0.95 •	+	N/A	=	–	190 •	Class A	0.90 •	•	•	– •	•	•	•	•	•	•	•
	1		**3154**	48 x 96 x 1"	0.95 •	+	N/A	=	–	190 •	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
Optima items with the PB suffix are included in the Sustain™ portfolio and carry Declare℠ certification.

FIBERGLASS

OPTIMA®
OPTIMA®
with Plant-based Binder
Square Lay-in
fine texture

PLANT BASED BINDER
As Noted

Declare℠
Living Building Challenge Compliant
PB Suffix Only

SUSTAIN™
High Performance Sustainable Ceiling Systems
PB Suffix Only

UP TO 71% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt; regional materials (▲ LOCATION DEPENDENT); design for flexibility; EPD; recyclable/extended producer resp.; biobased materials (▲ PB ONLY); recycled content; sourcing of raw materials; material ingredient reporting (▲ PB ONLY); low emitting/materials (▲ PB ONLY); lighting quality; acoustics

VISUAL SELECTION

PERFORMANCE SELECTION
Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC + CAC = Total Acoustics[1]	Articulation Class AC	Fire Performance	Light Reflect	Anti-Mold & Mildew Bio-Block	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Durability: Wash	Durability: Impact	Durability: Scratch	Durability: Soil	Recycled Content	Recycle Program	30-Yr Warranty
OPTIMA®																	
15/16" Square Lay-in 	1	FS **FastSize™ Panels**	W: 4" – 48" / L: 4" – 120" 1" Thick	N/A N/A –	N/A	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	1	**Other Size Panels**	W: 4" – 24" / L: 4" – 96" 3/4" Thick	N/A N/A –	N/A	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	1	**Other Size Panels**	W: 4" – 42" / L: 4" – 120" W: 4" – 48" / L: 4" – 114" 1-1/2" Thick	N/A N/A –	N/A	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product. Optima items with the PB suffix are included in the Sustain™ portfolio and carry Declare℠ certification.

FS **FastSize**: Factory-finished, made-to-order sizes, shipped fast (1 carton min.)

SUSPENSION SYSTEMS

15/16"



Prelude®

Blizzard White – Suspension System Finish
A color and texture coordinated suspension system to complement Optima® ceiling panels for a monolithic look and feel.

PHYSICAL DATA

Material
3153, 3155, 3158 – Fiberglass with DuraBrite® acoustically transparent membrane 3353, 3356 – Fiberglass with DuraBrite acoustically transparent membrane; CAC backing

Surface Finish
DuraBrite scrim with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled).

ASTM E1264 Classification
Type XII, Form 2, Pattern E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® resist the growth of mold and mildew.

VOC Emissions (PB suffix items only)
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Primary (Embodied) Energy
See all LCA information on our EPDs.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Acoustical Details
Some items have CAC backing. CAC backing may be available as a special order. A CAC value of 37 can be achieved by backloading fiberglass products with item 769 or 770.

Insulation Value
3153, 3158, 3353, 3154, 3160, 3157 –
R Factor – 4.0 (BTU units)
R Factor – 0.70 (Watts units)
3151, 3161, 3162, 3164 –
R Factor – 3.0 (BTU units)
R Factor – 0.53 (Watts units)
3155, 3356 –
R Factor – 6.0 (BTU units)
R Factor – 1.05 (Watts units)

Application Consideration
Do not mix Optima panels and Optima® Health Zone™ panels in the same room.

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
3151, 3151PB – 0.44 lbs/SF; 128 SF/ctn
3153, 3153PB, 3160, 3160PB – 0.45 lbs/SF; 96 SF/ctn
3155, 3356 – 0.61 lbs/SF; 64 SF/ctn
3158 – 0.47 lbs/SF; 75 SF/ctn
3353 – 0.46 lbs/SF; 96 SF/ctn
3154 – 0.45 lbs/SF; 128 SF/ctn
3157 – 0.56 lbs/SF; 100 SF/ctn
3161 – 0.43 lbs/SF; 96 SF/ctn
3164 – 0.43 lbs/SF; 100 SF/ctn
3162 – 0.42 lbs/SF; 128 SF/ctn

Minimum Order Quantity
1 carton, excludes other size panels

Metric Items Available
3151M, 3153M, 3154M, 3155M, 3158M, 3160M, 3353M, 3356M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

TechLine / 1 877 276-7876
armstrongceilings.com/commercial
(search: optima)
BPCS-3048-517

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Declare℠ is a service mark of The International Living Future Institute
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OPTIMA®
OPTIMA® with Plant-based Binder
Tegular
fine texture



Optima® Tegular 24" x 24" panels with Sonata® 9/16" suspension system (Pg. 401)

plus...
capabilities
to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Smooth-textured panels provide excellent acoustical absorption and the most standard sizes of any Armstrong Ceilings product.

KEY SELECTION ATTRIBUTES

- Outstanding acoustical performance for open plan areas, both Articulation Class (180-200) and NRC (0.90-1.00)
- Optima® PB panels are part of the Sustain™ portfolio and meet the most stringent sustainability compliance standards today
- Smooth, clean, durable finish – Washable, Impact-resistant, Scratch-resistant, Soil-resistant
- Energy-saving high light-reflective finish
- Non-directional visual reduces scrap and installation time
- Items with PB suffix are manufactured with a plant-based binder
- Sag-resistant large-size panels
- Compatible with TechZone® Ceiling Systems (Pgs. 337-340)
- 30-Year Limited System Warranty against visible sag, mold, and mildew
- Fast Size™ items available with quick lead times

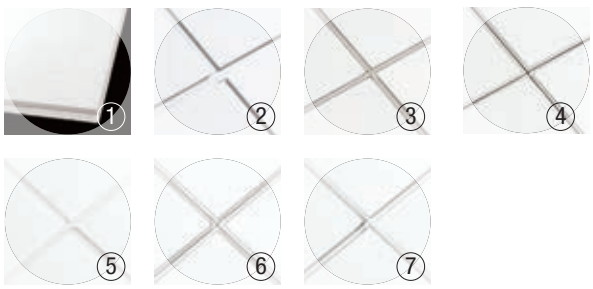
TYPICAL APPLICATIONS

- Open plan offices
- Computer rooms
- Corridors (walls-to-deck)
- Auditoriums
- Waiting rooms/nurses' stations – assists in addressing HIPAA and FGI acoustical requirements
- Areas with indirect lighting systems

COLOR

White
(WH)

DETAILS (Other Suspension Systems compatible. Refer to listing on page 288.)



1. Optima® Square Tegular
2. Optima Tegular with Prelude® 15/16" suspension system
3. Optima Tegular with Interlude® XL® HRC 9/16" suspension system
4. Optima Tegular with Silhouette® 9/16" suspension system with 1/8" reveal
5. Suprafine® ML, XL®, and XL® HRC with Blizzard White finish
6. Silhouette® XL® 1/4" and 1/8" reveal with Blizzard White finish
7. Interlude® XL® HRC with Blizzard White finish

OPTIMA®
OPTIMA®
with Plant-based Binder
Tegular
fine texture

PLANT BASED BINDER
As Noted

Declare℠
Living Building Challenge Compliant
PB Suffix Only

SUSTAIN™
High Performance Sustainable Ceiling Systems
PB Suffix Only

UP TO 71% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt; regional materials (▲ LOCATION DEPENDENT); design for flexibility; EPD; recyclable/extended producer resp.; biobased materials (▲ PB ONLY); recycled content; sourcing of raw materials; material ingredient reporting (▲ PB ONLY); low emitting/materials (▲ PB ONLY); lighting quality; acoustics

VISUAL SELECTION

PERFORMANCE SELECTION
Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC + CAC =	Total Acoustics[1]	Articulation Class AC	Fire Performance	Light Reflect	Anti-Mold & Mildew Bio-Block	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Durability: Wash	Durability: Impact	Durability: Scratch	Durability: Soil	Recycled Content	Recycle Program	30-Yr Warranty
OPTIMA® Tegular																		
15/16" Square Tegular	8	**1402**	6 x 48 x 1"	N/A	N/A	–	N/A	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	8	**1406**	6 x 60 x 1"	N/A	N/A	–	N/A	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	8	**3264**	12 x 24 x 1"	0.95* •	N/A	–	190 •	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	8	**3278**	20 x 60 x 1"	0.95* •	N/A	–	190 •	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	8	**3250** **3250PB**	24 x 24 x 1"	0.95 •	N/A	–	190 •	Class A	0.90 •	•	•	– •	•	•	•	•	•	•	•
	8	**3354**	24 x 24 x 1"	0.90 •	26	–	200 •	Class A	0.90 •	•	•	–	•	•	•	•	•	–	•
	8	**3253**	24 x 24 x 1-1/2"	1.00 •	N/A	–	200 •	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	8	**3252** **3252PB**	24 x 48 x 1"	0.95 •	N/A	–	190 •	Class A	0.90 •	•	•	– •	•	•	•	•	•	•	•
	8	**3281**	24 x 72 x 1"	0.95 •	N/A	–	190 •	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	8	**3282**	24 x 96 x 1"	0.95 •	N/A	–	190 •	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	8	**3258**	30 x 30 x 1"	0.95 •	N/A	–	190 •	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	8	**3286**	30 x 60 x 1"	0.95 •	N/A	–	190 •	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	8	**3255** **3255PB**	48 x 48 x 1"	0.95 •	N/A	–	190 •	Class A	0.90 •	•	•	– •	•	•	•	•	•	•	•
	8	FS **FastSize™ Panels**	W: 4" – 48" / L: 4" – 120" 1" Thick	N/A	N/A	–	N/A	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	8	**Other Size Panels**	W: 4" – 36" / L: 4" – 120" W: 4" – 42" / L: 4" – 102" W: 4" – 48" / L: 4" – 90" 1-1/2" Thick	N/A	N/A	–	N/A	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
9/16" Square Tegular	26, 43, 47, 51, 55	**1410**	4 x 48 x 1"	N/A	N/A	–	N/A	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**1411**	4 x 60 x 1"	N/A	N/A	–	N/A	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**1412**	6 x 6 x 1"	N/A	N/A	–	N/A	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product. Optima items with the PB suffix are included in the Sustain™ portfolio and carry Declare℠ certification.

* These items are not UL classified.

FS **FastSize**: Factory-finished, made-to-order sizes, shipped fast (1 carton min.)

PHYSICAL DATA

Material
3354 – Fiberglass with DuraBrite® acoustically transparent membrane; CAC backing
All other items – Fiberglass with DuraBrite acoustically transparent membrane

Surface Finish
DuraBrite scrim with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled).

ASTM E1264 Classification
Type XII, Form 2, Pattern E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

VOC Emissions (PB items only)
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Primary (Embodied) Energy
See all LCA information on our EPDs.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Acoustical Details
Some items have CAC backing. CAC backing may be available as a special order. A CAC value of 37 can be achieved by backloading fiberglass products with Item 769 or 770.

Insulation Value
3253 –
R Factor – 6.0 (BTU units)
R Factor – 1.05 (Watts units)
3281, 3282 –
R Factor – 3.0 (BTU units)
R Factor – 0.53 (Watts units)
All other items –
R Factor – 4.0 (BTU units)
R Factor – 0.70 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
1402 – 0.55 lbs/SF; 24 SF/ctn
1406 – 0.55 lbs/SF; 30 SF/ctn
3250, 3250PB, 3252, 3252PB, 3282 – 0.55 lbs/SF; 96 SF/ctn
1410 – 0.55 lbs/SF; 16 SF/ctn
1411 – 0.55 lbs/SF; 20 SF/ctn
1412 – 0.55 lbs/SF; 6 SF/ctn
3264 – 0.55 lbs/SF; 48 SF/ctn
3253 – 0.78 lbs/SF; 64 SF/ctn
3255, 3255PB – 0.55 lbs/SF; 96 SF/ctn
3258 – 0.55 lbs/SF; 75 SF/ctn
3278, 3286 – 0.55 lbs/SF; 100 SF/ctn
3281 – 0.55 lbs/SF; 72 SF/ctn
3354 – 0.57 lbs/SF; 96 SF/ctn

Minimum Order Quantity
1 carton

Metric Items Available
3250M, 3252M, 3253M, 3354M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

OPTIMA®
OPTIMA®
with Plant-based Binder
Tegular
fine texture

PLANT BASED BINDER
As Noted

Declare℠
Living Building Challenge Compliant
PB Suffix Only

SUSTAIN™
High Performance Sustainable Ceiling Systems
PB Suffix Only

UP TO 71% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED® v4: energy management; construction waste mgmt; regional materials (▲ LOCATION DEPENDENT); design for flexibility; EPD; recyclable/extended producer resp.; biobased materials (▲ PB ONLY); recycled content; sourcing of raw materials; material ingredient reporting (▲ PB ONLY); low emitting/materials (▲ PB ONLY); lighting quality; acoustics

VISUAL SELECTION

PERFORMANCE SELECTION
Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC	+	CAC	=	Total Acoustics[1]	Articulation Class AC	Fire Performance	Light Reflect	Anti-Mold & Mildew Bio-Block	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Durability: Wash	Durability: Impact	Durability: Scratch	Durability: Soil	Recycled Content	Recycle Program	30-Yr Warranty
OPTIMA® Tegular																					
9/16" Square Tegular	26, 43, 47, 51, 55	**1413**	6 x 12 x 1"	N/A		N/A		–	N/A	Class A	0.90 ●	●	●	–	●	●	●	●	●	●	●
	26, 43, 47, 51, 55	**1415**	6 x 42 x 1"	N/A		N/A		–	N/A	Class A	0.90 ●	●	●	–	●	●	●	●	●	●	●
	26, 43, 47, 51, 55	**1403**	6 x 48 x 1"	N/A		N/A		–	N/A	Class A	0.90 ●	●	●	–	●	●	●	●	●	●	●
	26, 43, 47, 51, 55	**1417**	6 x 54 x 1"	N/A		N/A		–	N/A	Class A	0.90 ●	●	●	–	●	●	●	●	●	●	●
	26, 43, 47, 51, 55	**1407**	6 x 60 x 1"	N/A		N/A		–	N/A	Class A	0.90 ●	●	●	–	●	●	●	●	●	●	●
	26, 43, 47, 51, 55	**1409**	6 x 96 x 1"	N/A		N/A		–	N/A	Class A	0.90 ●	●	●	–	●	●	●	●	●	●	●
	26, 43, 47, 51, 55	**3263**	12 x 24 x 1"	0.95 ●		N/A		–	190 ●	Class A	0.90 ●	●	●	–	●	●	●	●	●	●	●
	26, 43, 47, 51, 55	**3290**	12 x 48 x 1"	0.95 ●		N/A		–	190 ●	Class A	0.90 ●	●	●	–	●	●	●	●	●	●	●
	26, 43, 47, 51, 55	**1414**	12 x 96 x 1"	0.95 ●		N/A		–	180 ●	Class A	0.90 ●	●	●	–	●	●	●	●	●	●	●
	26, 43, 47, 51, 55	**3276**	20 x 54 x 1"	0.95 ●		N/A		–	190 ●	Class A	0.90 ●	●	●	–	●	●	●	●	●	●	●
	26, 43, 47, 51, 55	**3266**	20 x 56 x 1"	N/A		N/A		–	N/A	Class A	0.90 ●	●	●	–	●	●	●	●	●	●	●
	26, 43, 47, 51, 55	**3277**	20 x 60 x 1"	0.95 ●		N/A		–	190 ●	Class A	0.90 ●	●	●	–	●	●	●	●	●	●	●
	26, 43, 47, 51, 55	**3279**	21 x 24 x 1"	0.95 ●		N/A		–	190 ●	Class A	0.90 ●	●	●	–	●	●	●	●	●	●	●
	26, 43, 47, 51, 55	**3251** **3251PB**	24 x 24 x 1"	0.95 ●		N/A		–	190 ●	Class A	0.90 ●	●	●	– ●	●	●	●	●	●	●	●
	26, 43, 47, 51, 55	**3355**	24 x 24 x 1"	0.90 ●		26		–	200 ●	Class A	0.90 ●	●	●	–	●	●	●	●	●	–	●
	26, 43, 47, 51, 55	**3254**	24 x 24 x 1-1/2"	1.00 ●		N/A		–	200 ●	Class A	0.90 ●	●	●	–	●	●	●	●	●	●	●
	26, 43, 47, 51, 55	**3280**	24 x 42 x 1"	0.95 ●		N/A		–	190 ●	Class A	0.90 ●	●	●	–	●	●	●	●	●	●	●
	26, 43, 47, 51, 55	**3257** **3257PB**	24 x 48 x 1"	0.95 ●		N/A		–	190 ●	Class A	0.90 ●	●	●	– ●	●	●	●	●	●	●	●
	26, 43, 47, 51, 55	**3265** **3265PB**	24 x 60 x 1"	0.95 ●		N/A		–	190 ●	Class A	0.90 ●	●	●	– ●	●	●	●	●	●	●	●
	26, 43, 47, 51, 55	**3261** **3261PB**	24 x 72 x 1"	0.95 ●		N/A		–	190 ●	Class A	0.90 ●	●	●	– ●	●	●	●	●	●	●	●
	26, 43, 47, 51, 55	**3262** **3262PB**	24 x 96 x 1"	0.95 ●		N/A		–	190 ●	Class A	0.90 ●	●	●	– ●	●	●	●	●	●	●	●
	26, 43, 47, 51, 55	**3283**	27 x 30 x 1"	0.95 ●		N/A		–	190 ●	Class A	0.90 ●	●	●	–	●	●	●	●	●	●	●
	26, 43, 47, 51, 55	**3268**	28 x 30 x 1"	0.95 ●		N/A		–	190 ●	Class A	0.90 ●	●	●	–	●	●	●	●	●	●	●
	26, 43, 47, 51, 55	**3269**	28 x 60 x 1"	0.95 ●		N/A		–	190 ●	Class A	0.90 ●	●	●	–	●	●	●	●	●	●	●
	26, 43, 47, 51, 55	**3259**	30 x 30 x 1"	0.95 ●		N/A		–	190 ●	Class A	0.90 ●	●	●	–	●	●	●	●	●	●	●

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
Optima items with the PB suffix are included in the Sustain™ portfolio and carry Declare℠ certification.

OPTIMA®
OPTIMA®
with Plant-based Binder
Tegular
fine texture

PLANT BASED BINDER
As Noted

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Living Building Challenge Compliant
PB Suffix Only

SUSTAIN™
High Performance Sustainable Ceiling Systems
PB Suffix Only

UP TO 71% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt; regional materials (LOCATION DEPENDENT); design for flexibility; EPD; recyclable/extended producer resp.; biobased materials (PB ONLY); recycled content; sourcing of raw materials; material ingredient reporting (PB ONLY); low emitting/materials (PB ONLY); lighting quality; acoustics

VISUAL SELECTION

PERFORMANCE SELECTION
Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC + CAC =	Total Acoustics[1] NRC x CAC	Articulation Class AC	Fire Performance	Light Reflect	Anti-Mold & Mildew Bio-Block	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Durability: Wash	Durability: Impact	Durability: Scratch	Durability: Soil	Recycled Content	Recycle Program	30-Yr Warranty
OPTIMA® Tegular																		
9/16" Square Tegular	26, 43, 47, 51, 55	**3284**	30 x 54 x 1"	0.95 •	N/A	–	190 •	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**3289**	30 x 56 x 1"	0.95 •	N/A	–	190 •	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**3285**	30 x 60 x 1"	0.95 •	N/A	–	190 •	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**3287**	42 x 48 x 1"	0.95 •	N/A	–	190 •	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**3288**	44 x 48 x 1"	0.95 •	N/A	–	190 •	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**3256** **3256PB**	48 x 48 x 1"	0.95 •	N/A	–	190 •	Class A	0.90 •	•	•	– •	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**3249**	48 x 54 x 1"	0.95 •	N/A	–	190 •	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	FS **FastSize™ Panels**	W: 4" – 48" / L: 4" – 120" 1" Thick	N/A	N/A	–	N/A	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**Other Size Panels**	W: 4" – 36" / L: 4" – 120" W: 4" – 42" / L: 4" – 102" W: 4" – 48" / L: 4" – 90" 1-1/2" Thick	N/A	N/A	–	N/A	Class A	0.90 •	•	•	–	•	•	•	•	•	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product. Optima items with the PB suffix are included in the Sustain™ portfolio and carry Declare℠ certification.

FS **FastSize**: Factory-finished, made-to-order sizes, shipped fast (1 carton min.)

SUSPENSION SYSTEMS

15/16" Prelude®

9/16" Silhouette® 1/4" Reveal; Silhouette 1/8" Reveal; Suprafine®; Interlude® XL HRC; Sonata® XL

Blizzard White – Suspension System Finish

A color and texture coordinated suspension system to complement Optima® ceiling panels for a monolithic look and feel.
Available for: Prelude® XL® and XL® HRC, Suprafine ML, XL, and XL HRC, Silhouette® XL® 1/4" and 1/8" Reveal, Interlude® XL® HRC

ACCESSORIES (not included; ordered separately)

435 Stabilizer Clip (3/4" & 1")

Recommended for panels 60" and greater in length
NOTE: Panels 60" up to 96" – One clip near mid-point of each long edge.
Panels 96" and over – Two clips at 1/3 points of each long edge.

PHYSICAL DATA

Material
3355 – Fiberglass with DuraBrite® acoustically transparent membrane; CAC backing
All other items – Fiberglass with DuraBrite acoustically transparent membrane

Surface Finish
DuraBrite scrim with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled).

ASTM E1264 Classification
Type XII, Form 2, Pattern E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

VOC Emissions (PB items only)
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Primary (Embodied) Energy
See all LCA information on our EPDs.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
3254 –
R Factor – 6.0 (BTU units)
R Factor – 1.05 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
1403 – 0.55 lbs/SF; 24 SF/ctn
1407 – 0.55 lbs/SF; 30 SF/ctn
1409, 3249, 3251, 3251PB, 3257, 3257PB, 3262, 3262PB – 0.55 lbs/SF; 96 SF/ctn
1413 – 0.55 lbs/SF; 12 SF/ctn
1414, 3263, 3290 – 0.55 lbs/SF; 48 SF/ctn
1415 – 0.55 lbs/SF; 21 SF/ctn
1417 – 0.55 lbs/SF; 27 SF/ctn
3254 – 0.78 lbs/SF; 64 SF/ctn
3256 – 0.55 lbs/SF; 96 SF/ctn
3259, 3276 – 0.55 lbs/SF; 75 SF/ctn
3261 – 0.55 lbs/SF; 72 SF/ctn
3265, 3285, 3277 – 0.55 lbs/SF; 100 SF/ctn
3266 – 0.55 lbs/SF; 62.22 SF/ctn
3268 – 0.55 lbs/SF; 70 SF/ctn
3269 – 0.55 lbs/SF; 93.33 SF/ctn
3279, 3280 – 0.55 lbs/SF; 84 SF/ctn
3283 – 0.55 lbs/SF; 67.5 SF/ctn
3284 – 0.55 lbs/SF; 90 SF/ctn
3287 – 0.55 lbs/SF; 112 SF/ctn
3288 – 0.55 lbs/SF; 117.33 SF/ctn
3355 – 0.57 lbs/SF; 96 SF/ctn
3289 – 0.40 lbs/SF; 93.33 SF/ctn
3251 – 0.45 lbs/SF; 96 SF/ctn

Minimum Order Quantity
1 carton

Metric Items Available
3251M, 3254M, 3256M, 3257M, 3355M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

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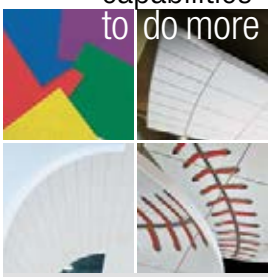
OPTIMA®
OPTIMA® with Plant-based Binder
Vector®
fine texture



Optima® Vector® panels with Prelude® 15/16" suspension system (Pgs. 391-392)

plus... capabilities to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Smooth-textured acoustical panel is ideal for projects with limited plenum space: requires about 6" of clear space from the deck.

KEY SELECTION ATTRIBUTES

- 1/4" reveal between acoustical panels results in a monolithic appearance
- Optima® PB panels are part of the Sustain™ portfolio and meet the most stringent sustainability compliance standards today
- Downward accessible for minimal plenum height
- Outstanding acoustical performance for open plan areas, both Articulation Class (190) and NRC (0.80-0.90)
- Smooth, clean durable finish –
  Washable
  Scratch-resistant
  Soil-resistant
- Energy-saving high light-reflective finish
- Items with PB suffix are manufactured with a plant-based binder
- Item 3901 available in Create!™ printed images and patterns see pages 245-247
- 30-Year Limited System Warranty against visible sag, mold, and mildew
- Fast Size™ items available with quick lead times

TYPICAL APPLICATIONS

- Renovation – installs on existing 15/16" suspension
- Open plan offices
- Lobbies
- Corridors (walls-to-deck)
- Areas with limited plenum depth
- Areas with indirect lighting systems
- Education

COLOR

White
(WH)

DETAILS



1. Optima® Vector®
2. Optima Vector with Prelude 15/16" suspension system
3. Optima Vector with fixture trim

OPTIMA®
OPTIMA®
with Plant-based Binder
Vector®
fine texture

PLANT BASED BINDER
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UP TO 71% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt; regional materials (LOCATION DEPENDENT); design for flexibility; EPD; recyclable/extended producer resp.; biobased materials (PB ONLY); recycled content; sourcing of raw materials; material ingredient reporting (PB ONLY); low emitting/materials (PB ONLY); lighting quality; acoustics

VISUAL SELECTION

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)
OPTIMA® Vector®			
1/4" Reveal with 15/16" Vector	73	**1466**	6 x 48 x 7/8"
A B	73	**1467**	6 x 96 x 7/8"
C D	73	**3902***	12 x 24 x 7/8"
	73	**3903***	12 x 24 x 7/8"
	73	**3900** **3900PB**	24 x 24 x 7/8"
	73	**3901**	24 x 24 x 7/8"
	73	**3908** **3908PB**	24 x 48 x 7/8"
	73	**3906**	24 x 72 x 7/8"
	73	**3907**	24 x 96 x 7/8"
	73	**3904**	30 X 30 x 7/8"
	73	**3905**	30 X 30 x 7/8"
	73	**3909**	48 x 48 x 7/8"
	73	FS **FastSize™ Panels**	W: 4" - 30" / L: 12" - 96" W: >30" - 48" / L: 12" - 48" 7/8" Thick

PERFORMANCE SELECTION

Dots represent high level of performance. $$$$

UL Classified Acoustics NRC	+ CAC	= Total Acoustics[1]	Articulation Class AC	Fire Performance	Light Reflect	Anti-Mold & Mildew: Bio-Block	Sag Resist: Humi-Guard+	Certified Low VOC Emissions	Durability: Wash	Durability: Scratch	Durability: Soil	Recycled Content	Recycle Program	30-Yr Warranty
N/A	N/A	–	N/A	Class A	0.90 •	•	•	–	•	•	•	•	•	•
N/A	N/A	–	N/A	Class A	0.90 •	•	•	–	•	•	•	•	•	•
N/A	N/A	–	N/A	Class A	0.90 •	•	•	–	•	•	•	•	•	•
N/A	26	–	N/A	Class A	0.90 •	•	•	–	•	•	•	•	–	•
0.90 •	N/A	–	190 •	Class A	0.90 •	•	•	– •	•	•	•	•	•	•
0.80 •	26	–	190 •	Class A	0.90 •	•	•	–	•	•	•	•	–	•
0.90 •	N/A	–	190 •	Class A	0.90 •	•	•	– •	•	•	•	•	•	•
0.90 •	N/A	–	190 •	Class A	0.90 •	•	•	–	•	•	•	•	•	•
0.90 •	N/A	–	190 •	Class A	0.90 •	•	•	–	•	•	•	•	•	•
0.90 •	N/A	–	190 •	Class A	0.90 •	•	•	–	•	•	•	•	•	•
0.80 •	26	–	190 •	Class A	0.90 •	•	•	–	•	•	•	•	–	•
0.90 •	N/A	–	190 •	Class A	0.90 •	•	•	–	•	•	•	•	•	•
N/A	N/A	–	N/A	Class A	0.90 •	•	•	–	•	•	•	•	•	•

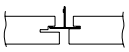
[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
* Items not UL classified for acoustics.

FS **FastSize**: Factory-finished, made-to-order sizes, shipped fast (1 carton min.)

Optima® items with the PB suffix are included in the Sustain™ portfolio and carry Declare℠ certification.

SUSPENSION SYSTEMS

15/16"



Prelude®

VECTOR – FIXTURE TRIMS

Item No.	Length	Color	Substrate
5790	12"	White	Extruded PVC
5791	24"	White	Extruded PVC
5792	30"	White	Extruded PVC
5793	48"	White	Extruded PVC

ACCESSORIES (must be ordered separately)

Item No.		
441		Vector Border Clip (required for installations with the suspension system resting on the wall molding). Primarily used for corners and special cutouts.
442A		Vector Hold-Down Clip (required for installation)
7425 (24"), **7431** (30"), **7445** (48"), **7461** (60") Stabilizer Bars		
522		Mid-point Clip 48" x 48" Vector panels only
7870		Spring Border Clip (For installations with the panel resting on the wall molding)

PHYSICAL DATA

Material
Fiberglass with DuraBrite® acoustically transparent membrane 3901, 3903, 3905 – Fiberglass with DuraBrite acoustically transparent membrane; CAC backing

Surface Finish
DuraBrite scrim with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled.)

ASTM E1264 Classification
Type XII, Form 2, Pattern E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

VOC Emissions (PB Items Only)
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Primary (Embodied) Energy
See all LCA information on our EPDs.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Acoustical Details
Some items have CAC backing. CAC backing may be available as a special order.

Insulation Value
R Factor – 3.5 (BTU units)
R Factor – 0.62 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
1466 – 0.58 lbs/SF; 24 SF/ctn
1467 – 0.58 lbs/SF; 42 SF/ctn
3900, 3900PB, 3901, 3902, 3903 – 0.58 lbs/SF; 48 SF/ctn
3904, 3905 – 0.59 lbs/SF; 75 SF/ctn
3908, 3908PB – 0.56 lbs/SF; 96 SF/ctn
3909 – 0.60 lbs/SF; 64 SF/ctn
3906 – 0.57 lbs/SF; 72 SF/ctn
3907 – 0.56 lbs/SF; 96 SF/ctn

Minimum Order Quantity
1 carton

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OPTIMA® Concealed

Concealed Suspension
fine texture



Optima® Concealed panels with Prelude® XL® 15/16" suspension system (Pgs. 391-392)



See more photos at:
armstrongceilings.com/photogallery
SEARCH: optima

Fine texture acoustical panels with a fully concealed suspension system create a monolithic look with accessibility.

KEY SELECTION ATTRIBUTES

- Large format acoustical panels
- Downward accessible for minimal plenum height
- Outstanding acoustical performance for open plan areas, both Articulation Class (190) and NRC (0.90)
- Smooth, clean, durable finish –
  Washable
  Scratch-resistant
  Soil-resistant
- Energy-saving, high light-reflective finish
- 30-Year Limited System Warranty against visible sag, mold, and mildew

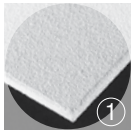
TYPICAL APPLICATIONS

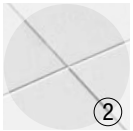
- Renovation – installs on existing 15/16" suspension system
- Open plan office areas
- Auditoriums
- Areas with limited plenum depth
- Areas with indirect lighting systems

COLOR

White
(WH)

DETAILS





1. Optima® Concealed
2. Optima Concealed with Prelude® XL® 15/16" suspension system

OPTIMA® Concealed

Concealed Suspension
fine texture

UP TO 71% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt; regional materials; design for flexibility; EPD; recyclable/ extended producer resp.; biobased materials; recycled content; sourcing of raw materials; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

LOCATION DEPENDENT

VISUAL SELECTION

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)
OPTIMA® Concealed			
Quick Kerf™ Edge	106	**8537**	24 x 48 x 7/8"
	106	**8535**	24 x 72 x 7/8"
Non-support Edge	106	**8536**	24 x 96 x 7/8"
	106	**8534**	30 x 30 x 7/8"
	106	**8538**	48 x 48 x 7/8"
	106	**8539**	48 x 48 x 7/8"
	106	**FastSize™ Panels**	W: 4" – 30" / L: 12" – 96" W: >30" – 48" / L: 12" – 48" 7/8" Thick

PERFORMANCE SELECTION

Dots represent high level of performance.

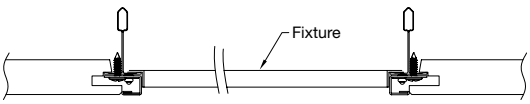
$$$$

UL Classified Acoustics NRC	+ CAC	= Total Acoustics[1]	Articulation Class AC	Fire Performance	Light Reflect	Anti-Mold & Mildew Bio-Block	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Durability: Wash	Durability: Scratch	Durability: Soil	Recycled Content	Recycle Program	30-Yr Warranty
0.90 •	–	–	190 •	Class A	0.90 •	•	•	–	•	•	•	•	•	•
0.90 •	–	–	190 •	Class A	0.90 •	•	•	–	•	•	•	•	•	•
0.90 •	–	–	190 •	Class A	0.90 •	•	•	–	•	•	•	•	•	•
0.90 •	–	–	190 •	Class A	0.90 •	•	•	–	•	•	•	•	•	•
0.90 •	–	–	190 •	Class A	0.90 •	•	•	–	•	•	•	•	•	•
0.90 •	26	–	190 •	Class A	0.90 •	•	•	–	•	•	•	•	–	•
N/A	N/A	–	N/A	Class A	0.90 •	•	•	–	•	•	•	•	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product. **GOOD** (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)

FastSize: Factory-finished, made-to-order sizes, shipped fast (1 carton min.) Designed for panels around lights and diffusers. For full-field installations of special sizes, contact Armstrong Ceilings customer service.

CONCEALED – FIXTURE TRIMS



FIXTURE TRIM

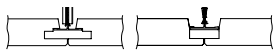
Item No.	Length	Pcs	Color
FTP4ZW	4" Concealed Fixture Kit	24	Blizzard White
FTP6ZW	6" Concealed Fixture Kit	24	Blizzard White
FTP24ZW	24" Concealed Fixture Kit	24	Blizzard White
FTP48ZW	48" Concealed Fixture Kit	24	Blizzard White
FTP96ZW	96" Concealed Fixture Kit	24	Blizzard White
Other Size Fixture Trims	4" to 96" Trim Pieces	–	Blizzard White (custom colors available)

Fixture trim kits include 24 straight trim pieces, 24 corner brackets, screws, and pop rivets. Example: For a space with 24" x 48" fixtures, order (1) 24" kit FTP24ZW and (1) 48" kit FTP48ZW. This will frame (12) 24" x 48" fixtures.

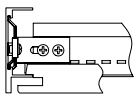
ACCESSORIES (must be ordered separately)

Item No.		
441		Border Clip. Used for corners and special cutouts.
442A		Hold-Down Clip
7425 (24") **7431** (30") **7445** (48") **7461** (60")		Stabilizer Bars
522		Mid-point Clip (Needed for panels over 30" wide)
7870		Spring Border Clip (For installations with the panel resting on the wall molding)

SUSPENSION SYSTEMS



AXIOM® TRIM DETAIL



Optima® Concealed panels with Axiom® Vector® trim for cloud-friendly design. Blizzard White color and texture finish available to complement Optima ceiling panels.

PHYSICAL DATA

Material
8534, 8535, 8536, 8537, 8538 – Fiberglass with DuraBrite® acoustically transparent membrane.
8539 – Fiberglass with DuraBrite acoustically transparent membrane; CAC backing.

Surface Finish
DuraBrite scrim with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled).

ASTM E1264 Classification
Type XII, Form 2, Pattern E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

Primary (Embodied) Energy
See all LCA information on our EPDs.

Acoustical Details
Some items have CAC backing. CAC backing may be available as a special order.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
R Factor – 3.5 (BTU units)
R Factor – 0.62 (Watts units)

Design Consideration
Use fixture trim kit around all lights, diffusers, and other ceiling penetrations to avoid exposed suspension system and panel edges. Panel sizes less than 24" x 24" are not recommended for full field installations.

Border panels in a seismic installation will not be accessible. To ensure border panels are accessible in other areas, consult installation instructions section 3.7.2

Installation Consideration
Optima® Concealed panels must be installed on a square, level suspension system as tolerance is near zero.

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
8534 – 0.55 lbs/SF; 75 SF/ctn
8535 – 0.55 lbs/SF; 72 SF/ctn
8536, 8537 – 0.55 lbs/SF; 96 SF/ctn
8538, 8539 – 0.55 lbs/SF; 64 SF/ctn

Minimum Order Quantity
1 carton

TechLine / 1 877 276-7876
armstrongceilings.com/commercial
(search: optima)
BPCS-5061-617

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Armstrong® CEILING & WALL SOLUTIONS

OPTIMA® Health Zone™

Square Lay-in, Tegular
fine texture



Optima® Health Zone™ Square Tegular panels with Prelude® XL® 15/16" suspension system (Pgs. 391-392)

plus... capabilities to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

This absorptive ceiling panel meets USDA/FSIS guidelines for use in food preparation/kitchens, and Clean Room assemblies.

KEY SELECTION ATTRIBUTES

- Clean Rooms up to ISO Class 5 (Items 3114, 3115, 3214, 3215 with Clean Room™ suspension system)
- Optima® Health Zone™ PB panels are part of the Sustain™ portfolio and meet the most stringent sustainability compliance standards today
- Items with PB suffix are manufactured with a plant-based binder
- Exceeds FGI guidelines for acoustics and cleanability in general healthcare spaces
- Smooth, clean, durable finish – Impact-resistant, Scratch-resistant, and Soil-resistant
- Long-lasting water-repellency
- Washable and Scrubbable
- Safe for use with disinfectants
- Meets USDA/FSIS guidelines for use in food processing areas
- Energy-saving high light-reflective finish
- Visual complements Ultima®, Ultima® Health Zone™, and Optima® panels
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

Clean Rooms
- Medical facilities
- Data centers

Healthcare:
- Assists in addressing HIPAA, HCAHPS, and FGI requirements
- Patient rooms (walls-to-deck)
- Treatment rooms (walls-to-deck)
- Nurses' stations
- Emergency rooms
- Semi-restricted surgical areas
- Kitchens/food preparation areas
- Laboratories

COLOR

White (WH)

DETAILS (Other Suspension Systems compatible. Refer to listing on page 296.)



1. Optima® Health Zone™ Square Lay-in
2. Optima Health Zone 15/16" Square Tegular
3. Optima Health Zone 9/16" Square Tegular
4. Optima Health Zone Square Lay-in with Clean Room™ 15/16" suspension system
5. Optima Health Zone Square Tegular with Prelude XL 15/16" suspension system
6. Optima Health Zone PB Square Tegular with Interlude® XL® HRC 9/16" suspension system

OPTIMA® Health Zone™

Square Lay-in, Tegular
fine texture

PLANT BASED BINDER
As Noted

Declare℠
Living Building Challenge Compliant
PB Suffix Only

SUSTAIN™
High Performance Sustainable Ceiling Systems
PB Suffix Only

UP TO 71% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt; regional materials; design for flexibility; EPD; recyclable/ extended producer resp.; biobased materials; recycled content; sourcing of raw materials; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

LOCATION DEPENDENT — PB ONLY — PB ONLY

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance.

$$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC + CAC =	Total Acoustics[1]	Articulation Class AC	Fire Performance	Light Reflect	Anti-Mold & Mildew Bio-Block+	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Water Repel (Durability)	Wash (Durability)	Scrub (Durability)	Impact (Durability)	Scratch (Durability)	Soil (Durability)	Recycled Content	Recycle Program	30-Yr Warranty
OPTIMA® Health Zone™																				
15/16" Square Lay-in	1, 6, 7	**3114PB**	24 x 24 x 1"	0.95 •	N/A	–	190 •	Class A	0.86 •	•	•	•	•	•	•	•	•	•	•	•
	1, 6, 7	**3314**	24 x 24 x 1-1/2"	0.95 •	29*	–	190 •	Class A	0.86 •	•	•	–	•	•	•	•	•	•	•	–	•
	1, 6, 7	**3115PB**	24 x 48 x 1"	0.95 •	N/A	–	190 •	Class A	0.86 •	•	•	•	•	•	•	•	•	•	•	•	•
	1, 6, 7	**3315**	24 x 48 x 1-1/2"	0.95 •	29*	–	190 •	Class A	0.86 •	•	•	–	•	•	•	•	•	•	•	–	•
	1	**Other Size Panels**	W: 4" – 47" / L: 12" – 48" 1" Thick	N/A	N/A	–	N/A	Class A	0.86 •	•	•	•	•	•	•	•	•	•	•	•	•
15/16" Square Tegular	8, 10	**3214PB**	24 x 24 x 1"	0.95 •	N/A	–	190 •	Class A	0.86 •	•	•	•	•	•	•	•	•	•	•	•	•
	8, 10	**3316**	24 x 24 x 1-1/2"	0.95 •	29*	–	190 •	Class A	0.86 •	•	•	–	•	•	•	•	•	•	•	–	•
	8, 10	**3215PB**	24 x 48 x 1"	0.95 •	N/A	–	190 •	Class A	0.86 •	•	•	•	•	•	•	•	•	•	•	•	•
	8, 10	**3317**	24 x 48 x 1-1/2"	0.95 •	29*	–	190 •	Class A	0.86 •	•	•	–	•	•	•	•	•	•	•	–	•
	8, 10	**Other Size Panels**	W: 4" – 47" / L: 12" – 48" 1" Thick	N/A	N/A	–	N/A	Class A	0.86 •	•	•	•	•	•	•	•	•	•	•	•	•
9/16" Square Tegular	26, 43, 47, 51, 55	**3216PB**	24 x 24 x 1"	0.95 •	N/A	–	190 •	Class A	0.86 •	•	•	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**3217PB**	24 x 48 x 1"	0.95 •	N/A	–	190 •	Class A	0.86 •	•	•	•	•	•	•	•	•	•	•	•	•
	26, 43, 47, 51, 55	**Other Size Panels**	W: 4" – 47" / L: 12" – 48" 1" Thick	N/A	N/A	–	N/A	Class A	0.86 •	•	•	•	•	•	•	•	•	•	•	•	•

[1]Total Acoustics® ceiling panels have an ideal combination of noise-reduction and sound-blocking performance in one product.

SUSPENSION SYSTEMS

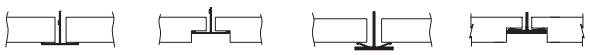
*CAC 29 achieved with Clean Room™ suspension system; not UL Classified for acoustics.

1-1/2"



Clean Room (Aluminum)

15/16"

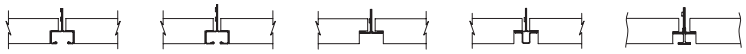


Prelude®, Prelude Plus, Aluminum Prelude® Plus XL®

Clean Room (Steel or Aluminum)

Clean Room (Steel or Aluminum)

9/16"



Silhouette® XL® 1/4" Reveal

Silhouette XL 1/8" Reveal

Suprafine®

Interlude® XL® HRC

Sonata® XL®

PHYSICAL DATA

Material
3114PB, 3115PB, 3214PB, 3215PB, 3216PB, 3217PB – Fiberglass with DuraBrite® scrim acoustically transparent membrane. 3314, 3315, 3316, 3317 – Fiberglass with DuraBrite acoustically transparent membrane; CAC backing.

Surface Finish
DuraBrite with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled).

ASTM E1264 Classification
Type XII, Form 2, Pattern E, Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew & Bacteria Protection
Optima® HealthZone™ ceiling panels with BioBlock® Plus performance resist the growth of mold and mildew, and resist odor- and stain-causing bacterial growth.

VOC Emissions (PB items only)
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Primary (Embodied) Energy
See all LCA information on our EPDs.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Acoustical Details
Some items have CAC backing. CAC backing may be vailable as a special order. CAC value of 37 can be achieved by backloading soft fiber products with item 769 or 770.

Insulation Value
R Factor – 4.0 (BTU units)
R Factor – 0.70 (Watts units)

Application Considerations
For Clean Room installations, use full-size panels. Testing for Clean Room 5 (Class 100) was completed with full-size 15/16" gasketed suspension system. For Clean Rooms that require field-cut perimeter panels, use Lay-in panels (3114, 3115) or Tegular panels (3214, 3215) with Lay-in field-cut panels at the perimeter.

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Cleaning Recommendations
To clean panel, use a clean, white cloth with water or a mild detergent and wipe surface. To disinfect panel, lightly spray surface and wipe clean with a clean, white cloth. Acceptable colorless disinfectants include:
- Sodium hypochlorite
- Hydrogen peroxide
- Quaternary ammonium

Weight; Square Feet/Carton
3114PB, 3115PB, 3214PB, 3215PB, 3216PB, 3217PB, 3314, 3315 – 0.45 lbs/SF; 96 SF/ctn
3316, 3317 – 0.75 lbs/SF; 64 SF/ctn

Minimum Order Quantity
1 carton, excludes other size panels

TechLine / 1 877 276-7876
armstrongceilings.com/commercial
(search: optima health zone)
BPCS-4261-517

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OPTIMA® Radial

Custom Lay-in & Tegular Ceiling System
fine texture



Optima® Radial Custom White with Prelude® 15/16" custom suspension system (Pgs. 391-392)



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Optima® panels designed for dramatic installations, requiring a fine-textured visual and performance.

KEY SELECTION ATTRIBUTES

- Outstanding acoustical performance in both Articulation Class (190-200) and NRC (0.90-0.95)
- Smooth, clean, durable finish – Washable, Impact-resistant, Scratch-resistant, Soil-resistant
- Energy-saving high light-reflective finish
- Sag resistant large panels
- 30-Year Limited System Warranty against visible sag and mold and mildew

TYPICAL APPLICATIONS

- Office
- Education
- Hospitality and retail
- Healthcare
- Transportation

COLOR

White
(WH)

DETAILS





1. Optima® Square Lay-in
2. Optima Square Tegular

UP TO 71% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓, construction waste mgmt ✓, regional materials ✓, design for flexibility ✓, EPD, recyclable/ extended producer resp. ✓, biobased materials, recycled content ✓, sourcing of raw materials ✓, material ingredient reporting ✓, low emitting/ materials ✓, lighting quality, acoustics ✓

▲ LOCATION DEPENDENT

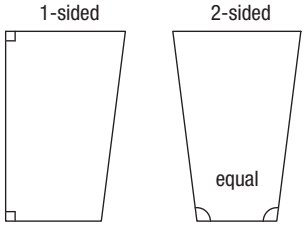
OPTIMA® Radial

Custom Lay-in & Tegular Ceiling System
fine texture

OPTIMA® RADIAL SYSTEM OVERVIEW

$$$$

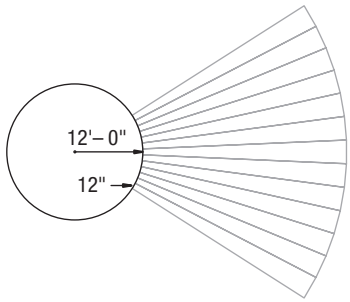
Product	Panels	Length	Width	System Capabilities	Suspension System
OPTIMA Lay-in or Tegular					
	Custom Trapezoid Lay-in, Custom Trapezoid Tegular	6" intervals from 24"- 66"	12"- 48"	• Meets taper up to 5° • Minimum inside radius 12" • Center must be a separate component	Interlude®, Suprafine®, Prelude® (accessible) with custom cross tees



One-sided or symmetrical two-sided trapezoid

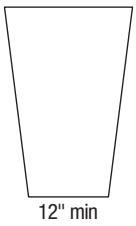
One-sided:
- Refer to Optima® Radial Technical Guide for additional capabilities

Two-sided:
- Each tapered side MUST be symmetrical
- Refer to Optima Radial Technical Guide for additional capabilities



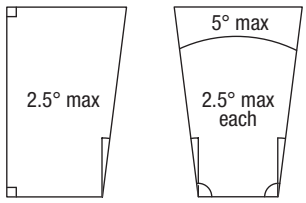
Minimum radius 12'-0" (12" minimum panel edge)

Minimum Radius:
- The minimum achievable radius is 12'. This is based on a minimum panel edge of 12" with the maximum tapers noted below
- Optima Radial panels CANNOT be used inside this 12' radius – drywall may be a suitable alternative



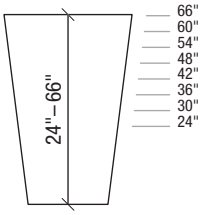
Width 12"- 48"

Width:
- Trapezoid panels are available in widths from 12" to 48"



Taper maximum 2.5° angle per side

Taper:
- The maximum taper angle per side for all trapezoids is 2.5 degrees
- For two-sided trapezoids, the taper angle must be equal on both sides (i.e., symmetrical) for a maximum of 5 degrees



Length 24"-66" in 6" increments

Length:
- 8 lengths are available in the following 6" increments: 24," 30," 36," 42," 48," 54," 60," and 66"

NOTE: This information does not apply to WoodWorks® or MetalWorks™ Radial ceilings. Please consult TechLine at 1 877 276-7876, or visit armstrongceilings.com/radial for more details.

PHYSICAL DATA

Material
Fiberglass with DuraBrite® acoustically transparent membrane with or without CAC backing

Surface Finish
DuraBrite with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled).

ASTM E1264 Classification
Type XII, Form 2, Pattern E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceilings with BioBlock® performance resist the growth of mold and mildew.

Primary (Embodied) Energy
See all LCA information on our EPDs.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
3/4" – R Factor – 3.0 (BTU units) 0.53 (Watts units)
1" – R Factor – 4.0 (BTU units) 0.70 (Watts units)
1-1/2" – R Factor – 6.0 (BTU units) 1.05 (Watts units)

Weight; Square Feet/Carton
Sizes, weight, and square feet vary with order

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Minimum Order Quantity
1 carton

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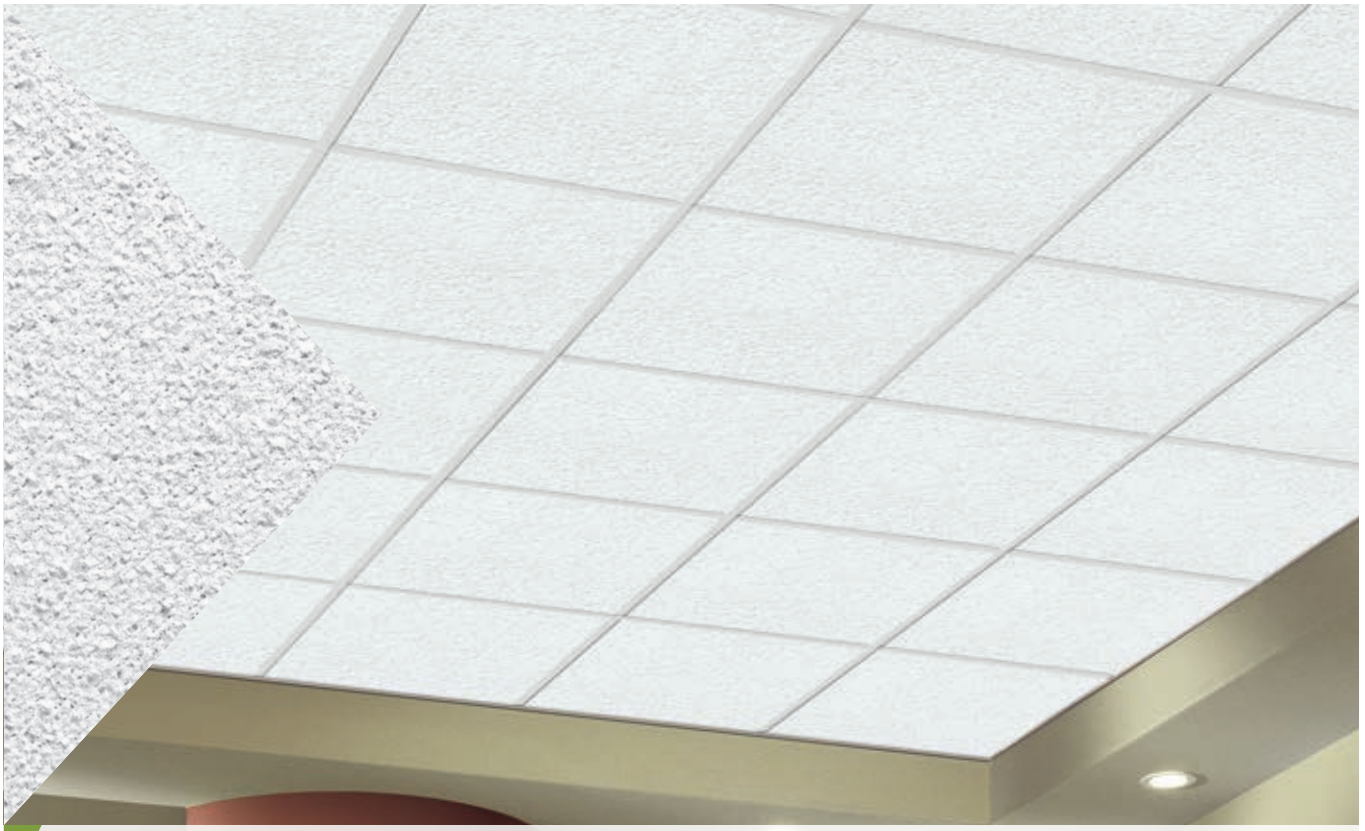
PAINTED NUBBY™

Square Lay-in & Tegular
medium texture



Painted Nubby™ panels with Prelude® 15/16" suspension system (Pgs. 391-392)

This panel offers excellent acoustical absorption with a medium-textured fabric visual.

KEY SELECTION ATTRIBUTES

- Outstanding acoustical performance; both Articulation Class (180-190) and NRC (0.85-0.95)
- Fiberglass substrate resists mold and mildew
- 30-Year Limited System Warranty against visible sag, mold, and mildew

TYPICAL APPLICATIONS

- Open plan offices used for focus, collaboration, and teaming
- Areas requiring superior acoustics and sag resistance

COLOR

White
(WH)

DETAILS





1. Painted Nubby™ Tegular
2. Painted Nubby Tegular with Silhouette® 9/16" suspension system 1/4" reveal

PAINTED NUBBY™

Square Lay-in & Tegular
medium texture

UP TO 71% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD | recyclable/ extended producer resp. ✓ | biobased materials | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC + CAC = Total Acoustics[1]	Articulation Class AC	Fire Performance	Light Reflect	Anti-Mold & Mildew Bio-Block	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Durability	Recycled Content	Recycle Program	30-Yr Warranty
PAINTED NUBBY™ Square Lay-in														
15/16" Square Lay-in	1	**3102**	24 x 24 x 1"	0.95 • + N/A = –	190 •	Class A	0.84 •	•	•	–	Std	•	–	•
	1	**3101**	24 x 48 x 3/4"	0.85 • + N/A = –	180 •	Class A	0.84 •	•	•	–	Std	•	–	•
	1	**3103**	24 x 48 x 1"	0.95 • + N/A = –	190 •	Class A	0.84 •	•	•	–	Std	•	–	•
	1	**3104**	48 x 96 x 1"	0.95 • + N/A = –	190 •	Class A	0.84 •	•	•	–	Std	•	–	•
	1	**Other Size Panels**	W: 4" – 48" / L: 4" – 120" 3/4" or 1" Thick	N/A + N/A = –	N/A	Class A	0.84 •	•	•	–	Std	•	–	•
PAINTED NUBBY Tegular														
15/16" Square Tegular	8	**3200**	24 x 24 x 1"	0.95 • + N/A = –	190 •	Class A	0.84 •	•	•	–	Std	•	–	•
9/16" Square Tegular	26, 43, 47, 51, 55	**3201**	24 x 24 x 1"	0.95 • + N/A = –	190 •	Class A	0.84 •	•	•	–	Std	•	–	•
	26, 43, 47, 51, 55	**Other Size Panels**	W: 4" – 48" / L: 4" – 120" 3/4" or 1" Thick	N/A + N/A = –	N/A	Class A	0.84 •	•	•	–	Std	•	–	•

[1]Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.

SUSPENSION SYSTEMS

15/16" Prelude®

9/16" Silhouette® XL® 1/4" Reveal; Silhouette XL 1/8" Reveal; Suprafine® XL®; Interlude® XL® HRC; Sonata® XL®

PHYSICAL DATA

Material
Fiberglass with fabric facing

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled.)

ASTM E1264 Classification
Type XII, Form 2, Pattern E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Acoustical Details
A CAC value of 37 can be achieved by backloading fiberglass products with Item 769 or 770.

Insulation Value
3101 – R Factor - 3.0 (BTU units)
R Factor - 0.53 (Watts units)
3102, 3103, 3104, 3200, 3201 –
R Factor - 4.0 (BTU units)
R Factor - 0.70 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
3101 – 0.44 lbs/SF; 128 SF/ctn
3102, 3103 – 0.46 lbs/SF; 96 SF/ctn
3104 – 0.46 lbs/SF; 128 SF/ctn
3200, 3201 – 0.55 lbs/SF; 96 SF/ctn

Minimum Order Quantity
1 carton, excludes other size panels

Metric Items Available
3102M, 3101M, 3103M, 3200M, 3201M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

TechLine / 1 877 276-7876
armstrongceilings.com/commercial
(search: painted nubby)
BPCS-3050-517

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Armstrong® CEILING & WALL SOLUTIONS

PEBBLE™

Square Lay-in
medium texture



Pebble™ panel with Prelude® 15/16" suspension system (Pgs. 391-392)

This economical, medium-textured panel provides excellent sound absorption options.

KEY SELECTION ATTRIBUTES

- Excellent sound absorption (perforated items)
- Easy-to-clean, durable surface
- Economical solution
- 30-Year Limited System Warranty against visible sag, mold, and mildew

TYPICAL APPLICATIONS

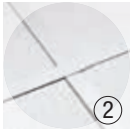
- Discount/grocery stores
- Locker rooms
- Utility rooms
- Lavatories/restrooms

COLOR

White (WH)

DETAILS





1. Pebble™
2. Pebble with Prelude® 15/16" suspension system

UP TO 71% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD | recyclable/ extended producer resp. ✓ | biobased materials | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

PEBBLE™

Square Lay-in
medium texture

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance.

$$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC + CAC =	Total Acoustics[1]	Fire Performance	Light Reflect	Anti-Mold & Mildew (Bio-Block)	Sag Resist (Humi-Guard+)	Certified Low VOC Emissions	Durability: Water Repel	Wash	Scrub	Impact	Soil	Recycled Content	Recycle Program	30-Yr Warranty
PEBBLE™ (Perforated)																		
15/16" Square Lay-in	1	**2983**	24 x 48 x 5/8"	0.70 •	N/A	–	Class A	0.89 •	•	•	–	–	•	•	•	•	•	–	•
	1	**2970**	24 x 60 x 5/8"	0.70 •	N/A	–	Class A	0.89 •	•	•	–	–	•	•	•	•	•	–	•
	1	**Other Size Panels**	W: 12" – 30" / L: 12" – 60" 5/8" Thick	N/A	N/A	–	N/A	0.89 •	•	•	–	–	•	•	•	•	•	–	•
PEBBLE High NRC (Perforated)																		
15/16" Square Lay-in	1	**2988**	24 x 24 x 1"	0.80 •	N/A	–	Class A	0.89 •	•	•	–	–	•	•	•	•	•	–	•
	1	**2989**	24 x 48 x 1"	0.80 •	N/A	–	Class A	0.89 •	•	•	–	–	•	•	•	•	•	–	•
	1	**Other Size Panels**	W: 12" – 30" / L: 12" – 60" 1" Thick	N/A	N/A	–	N/A	0.89 •	•	•	–	–	•	•	•	•	•	–	•
PEBBLE (Unperforated)																		
15/16" Square Lay-in	1	**2968**	24 x 48 x 5/8"	0.50	N/A	–	Class A	0.89 •	•	•	–	•	•	•	•	•	•	–	•
	1	**Other Size Panels**	W: 12" – 30" / L: 12" – 60" 5/8" Thick	N/A	N/A	–	N/A	0.89 •	•	•	–	•	•	•	•	•	•	–	•

[1]Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.

SUSPENSION SYSTEMS

15/16"



Prelude®

PHYSICAL DATA

Material
Fiberglass with vinyl facing

Surface Finish
Scrubbable vinyl film facing (UV protected)

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled).

ASTM E1264 Classification
Type XII, Form 1, Pattern E C
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Acoustical Details
A CAC value of 37 can be achieved by backloading fiberglass products with Item 769 or 770.

Insulation Value
2968, 2970, 2983 - R Factor - 2.6 (BTU units)
R Factor - 0.46 (Watts units)
2988, 2989 - R Factor - 4.0 (BTU units)
R Factor - 0.70 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
2968, 2983 – 0.20 lbs/SF; 128 SF/ctn
2970 – 0.20 lbs/SF; 120 SF/ctn
2988, 2989 – 0.31 lbs/SF; 80 SF/ctn

Minimum Order Quantity
1 carton, excludes other size panels.

Metric Items Available
2983M, 2970M, 2988M, 2989M, 2968M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

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RANDOM FISSURED™

Square Lay-in
medium texture

UP TO 71% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
	✓	✓	✓	✓		✓		✓	✓		✓	✓	✓

▲ LOCATION DEPENDENT

$$$$



Random Fissured™ panels with Prelude® 15/16" suspension system (Pgs. 391-392)

This economical panel provides standard-to-good sound absorption with a medium-textured visual.

KEY SELECTION ATTRIBUTES

- Excellent sound absorption (perforated options)
- Easy-to-clean, durable surface
- Economical
- 30-Year Limited System Warranty against visible sag, mold, and mildew

TYPICAL APPLICATIONS

- Discount/grocery stores
- Locker rooms
- Utility rooms
- Lavatories/restrooms

COLOR

White

VISUAL SELECTION

PERFORMANCE

Dots represent high level of performance.

Edge Profile		Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC	+ CAC	= Total Acoustics[1]	Fire Performance	Light Reflect	Anti-Mold & Mildew (Bio-Block)	Sag Resist (Humi-Guard+)	Certified Low VOC Emissions	Water Repel (Durability)	Wash (Durability)	Scrub (Durability)	Impact (Durability)	Soil (Durability)	Recycled Content	Recycle Program	30-Yr Warranty
RANDOM FISSURED (Perforated)																				
15/16" Square Lay-in	1		**2908**	24 x 24 x 5/8" ☐	0.70 •	N/A	–	Class A	0.72	•	•	–	–	•	•	•	•	•	–	•
▭	1		**2910**	24 x 48 x 5/8" ▭	0.70 •	N/A	–	Class A	0.72	•	•	–	–	•	•	•	•	•	–	•
	1		**Other Size Panels**	W: 12" – 30" / L: 12" – 60" 5/8" Thick	N/A	N/A	–	Class A	0.72	•	•	–	–	•	•	•	•	•	–	•
RANDOM FISSURED (Unperforated)																				
15/16" Square Lay-in	1		**2909**	24 x 24 x 5/8" ☐	0.55	N/A	–	Class A	0.72	•	•	–	•	•	•	•	•	•	–	•
▭	1		**2911**	24 x 48 x 5/8" ▭	0.55	N/A	–	Class A	0.72	•	•	–	•	•	•	•	•	•	–	•
	1		**Other Size Panels**	W: 12" – 30" / L: 12" – 60" 5/8" Thick	N/A	N/A	–	Class A	0.72	•	•	–	•	•	•	•	•	•	–	•

[1]Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.

SUSPENSION SYSTEMS

15/16"



Prelude®

PHYSICAL DATA

Material
Fiberglass with vinyl facing

Surface Finish
Scrubbable vinyl film facing (UV protected)

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled).

ASTM E1264 Classification
2908, 2910 – Type XII, Form 1, Pattern E C
2909, 2911 – Type XII, Form 1, Pattern E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Acoustical Details
A CAC value of 37 can be achieved by backloading fiberglass products with item 769 or 770.

Insulation Value
R Factor - 2.6 (BTU units)
R Factor - 0.46 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
0.17 lbs/SF; 128 SF/ctn

Minimum Order Quantity
1 carton, excludes other size panels

Metric Items Available
Items 2908M, 2910M, 2909M, 2911M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

TechLine / 1 877 276-7876
armstrongceilings.com/commercial
(search: random fissured)
BPCS-3696-517

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Armstrong® CEILING & WALL SOLUTIONS

UP TO 71% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

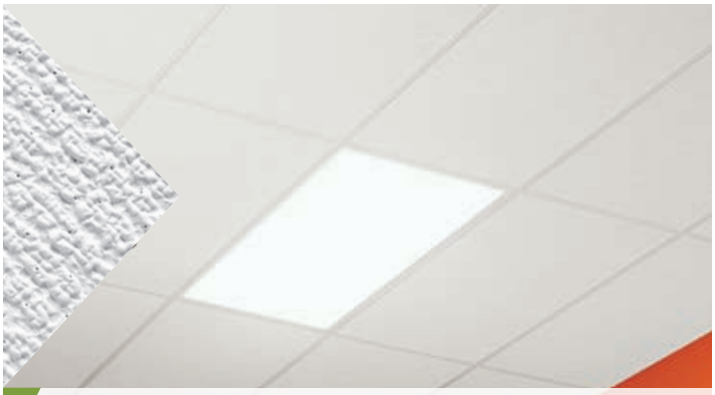
LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD | recyclable/ extended producer resp. ✓ | biobased materials | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

$$$$

SHASTA®

Square Lay-in
medium texture



Shasta® panel with Prelude® 15/16" suspension system (Pgs. 391-392)

This economical panel provides sound absorption with a medium-textured, easy-to-clean, durable vinyl surface.

KEY SELECTION ATTRIBUTES

- Excellent sound absorption (perforated options)
- Easy-to-clean, durable surface
- Economical
- 30-Year Limited System Warranty against visible sag, mold, and mildew

TYPICAL APPLICATIONS

- Discount/grocery stores
- Locker rooms
- Utility rooms
- Lavatories/restrooms

COLOR

White (WH)

Tech Black (BL)

VISUAL SELECTION

PERFORMANCE Dots represent high level of performance.

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No. ◆	Dimensions (Inches)	UL Classified Acoustics NRC	+	CAC	=	Total Acoustics[1]	Fire Performance	Light Reflect	Anti-Mold & Mildew (Bio-Block)	Sag Resist (Humi-Guard+)	Certified Low VOC Emissions	Water Repel (Durability)	Wash (Durability)	Scrub (Durability)	Impact (Durability)	Soil (Durability)	Recycled Content	Recycle Program	30-Yr Warranty
SHASTA® (Perforated)																					
15/16" Square Lay-in	1	**2904**	24 x 24 x 5/8" □	0.70 •		N/A		–	Class A	0.72	•	•	–	–	•	•	•	•	•	–	•
□	1	**2906 _ _**	24 x 48 x 5/8" □	0.70 •		N/A		–	Class A	0.72	•	•	–	–	•	•	•	•	•	–	•
	1	**Other Size Panels**	W: 12" – 30" / L: 12" – 60" 5/8" Thick	N/A		N/A		–	Class A	0.72	•	•	–	–	•	•	•	•	•	–	•
SHASTA (Unperforated)																					
15/16" Square Lay-in	1	**2905 _ _**	24 x 24 x 5/8" □	0.50		N/A		–	Class A	0.72	•	•	–	•	•	•	•	•	•	–	•
□	1	**2907**	24 x 48 x 5/8" □	0.50		N/A		–	Class A	0.72	•	•	–	•	•	•	•	•	•	–	•
	1	**Other Size Panels**	W: 12" – 30" / L: 12" – 60" 5/8" Thick	N/A		N/A		–	Class A	0.72	•	•	–	•	•	•	•	•	•	–	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.

◆ Add 2-letter color suffix to item number when specifying or ordering (e.g., 2906 B L).

SUSPENSION SYSTEMS

15/16"



Prelude®

PHYSICAL DATA

Material
Fiberglass with vinyl facing

Surface Finish
Scrubbable vinyl film facing (UV protected)

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled).

ASTM E1264 Classification
2904, 2906 – Type XII, Form 1, Pattern E C
2905, 2907 – Type XII, Form 1, Pattern E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Acoustical Details
A CAC value of 37 can be achieved by backloading fiberglass products with item 769 or 770.

Insulation Value
R Factor - 2.6 (BTU units)
R Factor - 0.46 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
0.17 lbs/SF; 128 SF/ctn

Minimum Order Quantity
1 carton, excludes other size panels

Metric Items Available
Items 2904M, 2906M, 2905M, 2907M –
Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

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School Zone® FINE FISSURED™ & School Zone® GEORGIAN™

Square Lay-in
medium texture

TOTAL ACOUSTICS®
Sound Absorption (NRC)
+ Sound Blocking (CAC)

School Zone® FINE FISSURED™

School Zone® GEORGIAN™



School Zone® Fine Fissured™ panels with Prelude® 15/16" suspension system (Pgs. 391-392)

This panel is a good choice for classrooms with economical, non-directional ceilings and improved acoustics.

KEY SELECTION ATTRIBUTES

- Get total noise control and design flexibility with Total Acoustics® ceiling panels: NRC + CAC = Total Acoustics® performance
- Excellent sound absorption – products can help comply with ANSI S12.60 classroom guidelines
- Economical
- Non-directional visual reduces scrap and installation time
- 30-Year Limited System Warranty against visible sag, mold, and mildew

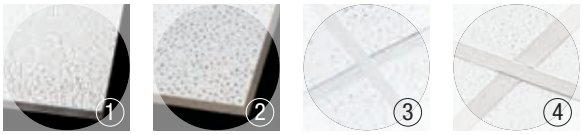
TYPICAL APPLICATIONS

- Schools
- Healthcare – assists in addressing HIPAA and FGI acoustical requirements
- Libraries/band rooms
- Corridors

COLOR

White
(WH)

DETAILS (Other Suspension Systems compatible. Refer to listing on page 306.)



1. School Zone® Fine Fissured™ Square Lay-in
2. School Zone® Georgian™
3. Fine Fissured Square Lay-in with Prelude® 15/16" suspension system
4. School Zone Georgian with Prelude 15/16" suspension system

School Zone® FINE FISSURED™ & School Zone® GEORGIAN™

Square Lay-in
medium texture

UP TO 56% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD | recyclable/ extended producer resp. ✓ | biobased materials ✓ | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION

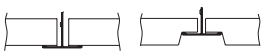
PERFORMANCE SELECTION
Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)		UL Classified Acoustics NRC + CAC =		Total Acoustics[1]	Fire Performance	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Wash	Impact	Scratch	Recycled Content	Recycle Program	30-Yr Warranty
					UL Classified					Bio-Block	Humi-Guard+		Durability					
School Zone® FINE FISSURED™																		
15/16" Square Lay-in	1	**1713**	24 x 24 x 3/4"	☐	0.70 •	35 •	BETTER	Class A	0.85 •	•	•	•	–	–	–	•	•	•
	1	**1810**	24 x 24 x 3/4"	☐	0.70 •	40 •	BETTER	Fire Guard™	0.85 •	•	•	•	–	–	–	•	•	•
	1	**1714**	24 x 48 x 3/4"	▭	0.70 •	40 •	BETTER	Class A	0.85 •	•	•	•	–	–	–	•	•	•
	1	**1811**	24 x 48 x 3/4"	▭	0.70 •	40 •	BETTER	Fire Guard	0.85 •	•	•	•	–	–	–	•	•	•
15/16" Angled Tegular	13	**1717**	24 x 24 x 3/4"	☐	0.70 •	40 •	BETTER	Class A	0.85 •	•	•	•	–	–	–	•	•	•
	13	**1820**	24 x 24 x 3/4"	☐	0.70 •	35 •	BETTER	Fire Guard	0.85 •	•	•	•	–	–	–	•	•	•
	13	**1824**	24 x 48 x 3/4"	▭	0.70 •	35 •	BETTER	Fire Guard	0.85 •	•	•	•	–	–	–	•	•	•
9/16" Beveled Tegular	29, 44, 48, 52, 56	**1719**	24 x 24 x 3/4"	☐	0.70 •	40 •	BETTER	Class A	0.85 •	•	•	•	–	–	–	•	•	•
	29, 44, 48, 52, 56	**1821**	24 x 24 x 3/4"	☐	0.70 •	35 •	BETTER	Fire Guard	0.85 •	•	•	•	–	–	–	•	•	•
School Zone® GEORGIAN™																		
15/16" Square Lay-in	1	**796**	24 x 24 x 3/4"	☐	0.65	35 •	GOOD	Class A	0.86 •	•	•	•	•	•	•	•	•	•
	1	**795**	24 x 48 x 3/4"	▭	0.65	35 •	GOOD	Class A	0.86 •	•	•	•	•	•	•	•	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)

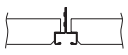
SUSPENSION SYSTEMS

15/16"

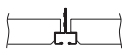


Prelude®
Prelude® XL® Fire Guard™

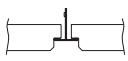
9/16"



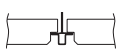
Silhouette® 1/4" Reveal



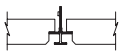
Silhouette 1/8" Reveal



Suprafine®
Suprafine® XL® Fire Guard™



Interlude® XL® HRC



Sonata® XL®

PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled). Fire Guard: A fire-resistive ceiling when used in applicable UL assemblies (Class A).

ASTM E1264 Classification
Type III, Form 2, Pattern C E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Acoustical Performance
CAC testing conducted using Prelude® XL® suspension system for 15/16" edge detail and Silhouette® suspension system for 9/16" edge detail.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
School Zone® Fine Fissured™: R Factor – 1.5 (BTU units)
R Factor – 0.26 (Watts units)
School Zone® Georgian™: R Factor – 1.6 (BTU units)
R Factor – 0.28 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
1824 – 1.20 lbs/SF; 64 SF/ctn
1717, 1719 – 1.25 lbs/SF; 48 SF/ctn
1713, 1810, 1820, 1821 – 1.31 lbs/SF; 48 SF/ctn
1714, 1811 – 1.38 lbs/SF; 64 SF/ctn
795 – 1.38 lbs/SF; 64 SF/ctn
796 – 1.31 lbs/SF; 48 SF/ctn

Minimum Order Quantity
1 carton

Metric Items Available
Items 1810M, 1811M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

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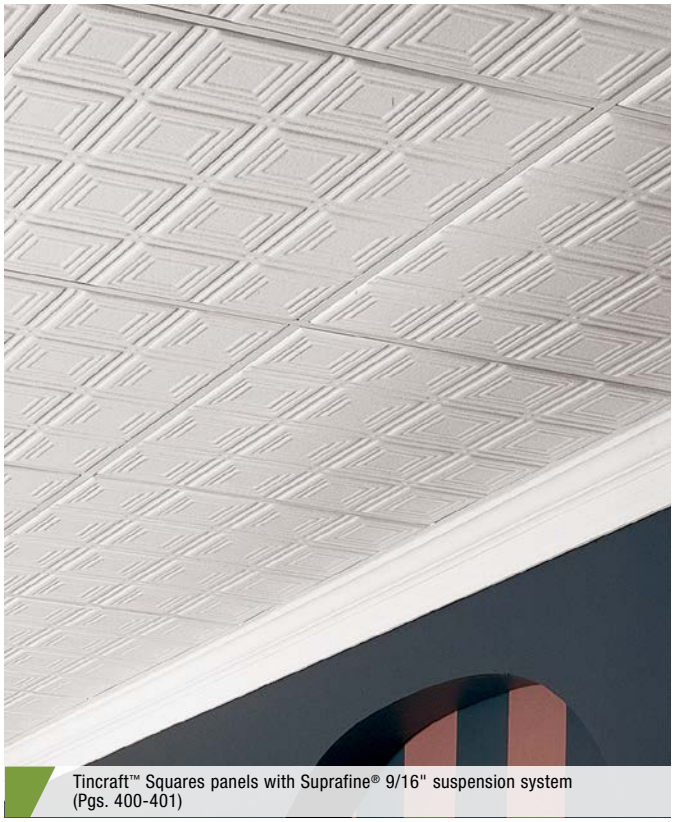
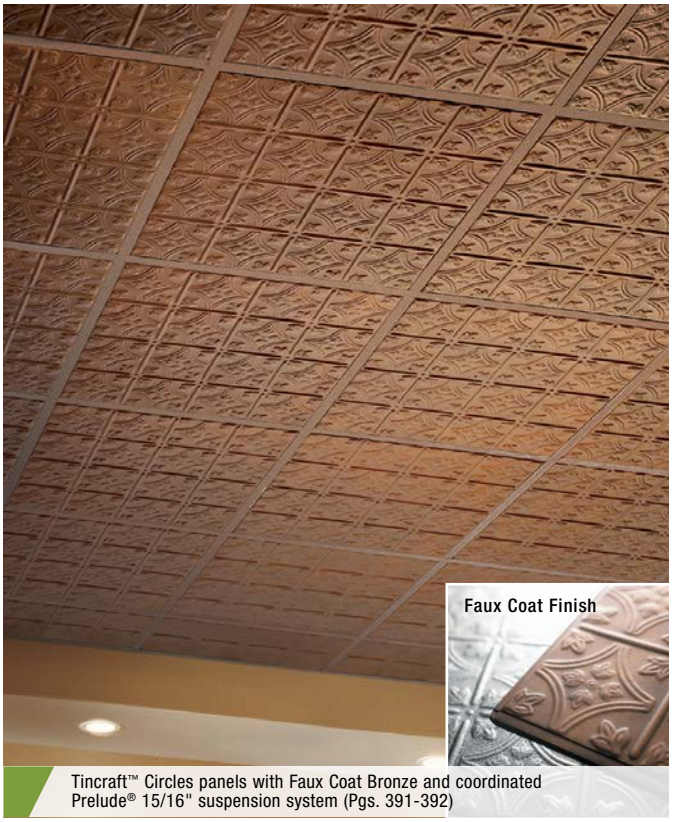
TINCRAFT™

Circles, Squares & Triangles
Tegular
smooth texture



Tincraft™ Squares panels with Suprafine® 9/16" suspension system (Pgs. 400-401)



Tincraft™ Circles panels with Faux Coat Bronze and coordinated Prelude® 15/16" suspension system (Pgs. 391-392)

These panels offer the look of old-world tin ceilings with low-relief panels in classic designs, an array of standard metallic colors, and sound blocking.

KEY SELECTION ATTRIBUTES

- Early 20th century embossed metal look
- Affordable, practical alternative to traditional tin and metal ceilings
- Finely detailed design for upscale look
- High sound-blocking CAC (35)

TYPICAL APPLICATIONS

- Specialty shops/stores
- Restaurants
- Dining areas

NOTE: Not recommended for areas requiring acoustical performance

COLORS

Due to printing limitations, shade may vary from actual product.



White (WH) | Faux Coat Pewter (PW) | Faux Coat Bronze (BZ) | Silver (SL) | Copper (CP)

Color finishes available on Tincraft Circles panels only. Colored ceilings are dye-lotted and should be segregated by dye lot. Do not mix.

FACE VIEWS

(1/4 of 24 x 24" panel shown)



Circles | Squares | Triangles

DETAILS

(Other Suspension Systems compatible. Refer to listing on page 308.)



1. Tincraft™ Circles
2. Tincraft Squares
3. Tincraft Triangles
4. Tincraft Circles with Prelude 15/16" suspension system
5. Tincraft Squares with Suprafine 9/16" suspension system
6. Tincraft Triangles with Suprafine 9/16" suspension system

TINCRAFT™

Circles, Squares & Triangles
Tegular
smooth texture

UP TO 56% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD | recyclable/ extended producer resp. ✓ | biobased materials ✓ | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No. ◆	Dimensions (Inches)	UL Classified Acoustics NRC	+ CAC	= Total Acoustics[1]	Fire Performance	Light Reflect (White only)	Anti-Mold & Mildew	Sag Resist	Durability	Recycled Content	Recycle Program	Warranty
TINCRAFT™ Circles														
15/16" Flush Tegular	3	**8008** _ _	24 x 24 x 3/4" ☐	N/A	35 •	–	Class A	0.78	–	Std	Std	Std	•	1-Yr
TINCRAFT Squares														
9/16" Flush Tegular	25	**8009**	24 x 24 x 3/4" ☐	N/A	35 •	–	Class A	0.78	–	Std	Std	•	•	1-Yr
TINCRAFT Triangles														
9/16" Flush Tegular	25	**8010**	24 x 24 x 3/4" ☐	N/A	35 •	–	Class A	0.78	–	Std	Std	•	•	1-Yr

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
◆ Add 2-letter color suffix to item number when specifying or ordering (e.g., 8008 P W).


Circles


Squares


Triangles

Images represent a 12" x 12" section of panel.

SUSPENSION SYSTEMS

15/16" Prelude®

9/16" Suprafine®

For coordinating color, specify Prelude® XL® items 7301 main beam, XL7342, XL7328 cross tees, and 7800 wall molding with the appropriate 2-letter color suffix.

PHYSICAL DATA

Material
Wet-formed mineral fiber

Surface Finish
Factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled).

ASTM E1264 Classification
Type III, Form 2, Pattern J Z
(Classic embossed tin ceiling design)
Fire Class A

Humidity/Sag Resistance
Standard performance ceiling panels are recommended where the building is enclosed and the HVAC is continuously functioning.

High Recycled Content
Classified as containing greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
Average R Factor – 1.6 (BTU units)
Average R Factor – 0.28 (Watts units)

Performance Guarantee & Warranty
10-year warranty when installed with Armstrong® Suspension System. 1-year warranty on ceiling panel. Details at armstrongceilings.com

Weight; Square Feet/Carton
8008 – 0.90 lbs/SF; 48 SF/ctn
8009, 8010 – 1.23 lbs/SF; 32 SF/ctn

Minimum Order Quantity
1 carton

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TUNDRA®

Square Lay-in & Tegular
medium texture



Tundra® panels with Suprafine® 9/16" suspension system (Pgs. 400-401)

Durable Tundra® panels have a medium-textured visual, and are impact- and scratch-resistant.

KEY SELECTION ATTRIBUTES

- Durable
  Impact-resistant
  Scratch-resistant
- 30-Year Limited System Warranty against visible sag, mold, and mildew

TYPICAL APPLICATIONS

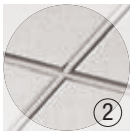
- Offices
- Schools
- Corridors

COLOR

White
(WH)

DETAILS (Other Suspension Systems compatible. Refer to listing on page 310.)





1. Tundra® Beveled Tegular
2. Tundra with Suprafine® 9/16" suspension system

UP TO 35% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD | recyclable/ extended producer resp. ✓ | biobased materials ✓ | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

TUNDRA®

Square Lay-in & Tegular
medium texture

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC	+ CAC	= Total Acoustics[1]	Fire Performance	Light Reflect	Anti-Mold & Mildew Bio-Block	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Impact (Durability)	Scratch (Durability)	Recycled Content	Recycle Program	30-Yr Warranty
TUNDRA®																
15/16" Square Lay-in	1	**301**	24 x 24 x 5/8"	0.50	33	–	Class A	0.87 •	•	•	–	•	•	Std	•	•
	1	**302**	24 x 48 x 5/8"	0.50	35 •	–	Class A	0.87 •	•	•	–	•	•	Std	•	•
	1	**Other Size Panels**	W: 24" / L: 24" – 48" 5/8" Thick	N/A	N/A	–	Class A	0.87 •	•	•	–	•	•	Std	•	•
15/16" Beveled Tegular	15	**303**	24 x 24 x 5/8"	0.50	33	–	Class A	0.87 •	•	•	–	•	•	Std	•	•
	15	**305**	24 x 48 x 5/8"	0.50	35 •	–	Class A	0.87 •	•	•	–	•	•	Std	•	•
	15	**Other Size Panels**	W: 24" / L: 24" – 48" 5/8" Thick	N/A	N/A	–	Class A	0.87 •	•	•	–	•	•	Std	•	•
9/16" Beveled Tegular	29, 44, 48, 52, 56	**304**	24 x 24 x 5/8"	0.50	33	–	Class A	0.87 •	•	•	–	•	•	Std	•	•
	29, 44, 48, 52, 56	**Other Size Panels**	W: 24" / L: 24" – 48" 5/8" Thick	N/A	N/A	–	Class A	0.87 •	•	•	–	•	•	Std	•	•

[1]Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.

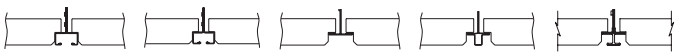
SUSPENSION SYSTEMS

15/16"



Prelude®

9/16"



Silhouette® 1/4" Reveal | Silhouette 1/8" Reveal | Suprafine® | Interlude® XL® HRC | Sonata® XL®

PHYSICAL DATA

Material
Wet-formed, high-density mineral fiber

Surface Finish
Factory-applied latex paint with scuff-resistant spatter coat

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled).

ASTM E1264 Classification
Type III, Form 2, Pattern C E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Acoustical Testing
CAC testing conducted using Prelude® XL® suspension system for 15/16" edge detail and Silhouette® suspension system for 9/16" edge detail.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

Insulation Value
R Factor – 1.7 (BTU units)
R Factor – 0.30 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
301, 302, 305 – 1.09 lbs/SF; 64 SF/ctn
303, 304 – 1.10 lbs/SF; 48 SF/ctn

Minimum Order Quantity
1 carton, excludes other size panels.

Metric Items Available
302M, 303M, 305M, 304M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

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ULTIMA®
ULTIMA® High NRC

Square Lay-in
fine texture

TOTAL ACOUSTICS®
Sound Absorption (NRC)
+ Sound Blocking (CAC)

10-YEAR REPLACEMENT PANEL AVAILABILITY
1910, 1913

Ultima

Ultima High NRC



Ultima® Square Lay-in panels with Prelude® 15/16" suspension system (Pgs. 391-392)



See more photos at:
armstrongceilings.com/photogallery
SEARCH: ultima

A smooth visual ceiling with Total Acoustics® performance, sound absorption, and blocking needed for today's flexible spaces.

KEY SELECTION ATTRIBUTES

- Get total noise control and design flexibility with Total Acoustics® ceiling panels: NRC + CAC = Total Acoustics® Performance
- Ultima® panels are part of the Sustain™ portfolio and meet the most stringent sustainability compliance standards today
- Smooth, clean, durable finish – Washable, Impact-resistant, Scratch-resistant, Soil-resistant
- Excellent sound absorption and blocking for Total Acoustics® performance
- Ceiling-2-Ceiling™ Post-consumer Recycled Content options: items 1910HRC, 1913HRC. 71% Pre-consumer; 15% Post-consumer
- USDA-Certified Biobased Product – 88%
- Available with AirGuard™ coating – actively removes formaldehyde from indoor air
- Visual coordinates with Optima® panels for mixed (open/closed plan) applications
- Item 1910 available with Create!™ printed images and patterns – see pages 245-247
- Non-directional visual reduces scrap and installation time
- Compatible with TechZone® Ceiling Systems (Pgs. 337-344)
- 30-Year Limited System Warranty against visible sag, mold, and mildew

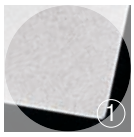
TYPICAL APPLICATIONS

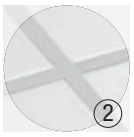
- Offices – closed spaces for privacy and confidentiality; open spaces for focus, collaboration, and teaming
- Healthcare – assists in addressing HIPAA, HCAHPS, and FGI acoustical requirements
- Classrooms
- Corridors
- Lobbies/reception areas
- Department stores/retail

COLOR

White
(WH)

DETAILS





1. Ultima® Square Lay-in
2. Ultima® Square Lay-in with Prelude® 15/16" suspension system

ULTIMA®
ULTIMA® High NRC

Square Lay-in
fine texture

CLOSED LOOP RECYCLED CONTENT CEILING•2•CEILING℠

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

UP TO 84% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED® ✓ energy management ✓ construction waste mgmt ✓ regional materials ✓ design for flexibility ✓ EPD ✓ recyclable/ extended producer resp. ✓ biobased materials ✓ recycled content ✓ sourcing of raw materials ✓ material ingredient reporting ✓ low emitting/ materials ✓ lighting quality ✓ acoustics

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance.

$$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics: NRC	+ CAC	= Total Acoustics[1] NRC+CAC	Articulation Class AC	Fire Performance	Light Reflect	Anti-Mold & Mildew: Bio-Block	Sag Resist: Humi-Guard+	Certified Low VOC Emissions	Durability: Wash	Impact	Scratch	Soil	Recycled Content	Recycle Program	30-Yr Warranty
ULTIMA® High NRC																			
15/16" Square Lay-in	1	**1940**	24 x 24 x 7/8"	0.80 •	35 •	BEST	170 •	Class A	0.87 •	•	•	•	•	•	•	•	•	•	•
	1	**1943**	24 x 48 x 7/8"	0.80 •	35 •	BEST	170 •	Class A	0.87 •	•	•	•	•	•	•	•	•	•	•
	1	new **1432**	24 x 60 x 7/8"	0.80 •	35 •	BEST	170 •	Class A	0.87 •	•	•	•	•	•	•	•	•	•	•
	1	new **1435**	24 x 72 x 7/8"	0.80 •	35 •	BEST	170 •	Class A	0.87 •	•	•	•	•	•	•	•	•	•	•
	1	**Other Size Panels**	W: 12" - 24" / L: 24" - 60" 7/8" Thick	N/A	N/A	–	–	Class A	0.87 •	•	•	•	•	•	•	•	•	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)

SUSPENSION SYSTEMS

15/16"



Prelude®

Blizzard White – Suspension System Finish
A color and texture coordinated suspension system to complement Ultima ceiling panels for a monolithic look and feel.

PHYSICAL DATA

Material
Wet-formed mineral fiber with DuraBrite® acoustically transparent membrane

Surface Finish
DuraBrite scrim with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled).

ASTM E1264 Classification
Type IV, Form 2, Pattern E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Acoustical Performance
CAC testing conducted using Prelude® XL® suspension system.

Primary (Embodied) Energy
See all LCA information on our EPDs.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines. HRC items contain 15% or greater post-consumer recycled ceilings.

Insulation Value
R Factor – 2.2 (BTU units)
R Factor – 0.39 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
1940 – 1.14 lbs/SF; 40 SF/ctn
1943 – 1.125 lbs/SF; 48 SF/ctn
1432 – 1.05 lbs/SF; 60 SF/ctn
1435 – 1.04 lbs/SF; 72 SF/ctn

Minimum Order Quantity
1 carton

Metric Items Available
1940M, 1943M – Metric items subject to extended lead times and minimum quantities.

ULTIMA®
ULTIMA® High NRC

Square Lay-in
fine texture

VISUAL SELECTION

PERFORMANCE SELECTION
Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC	UL Classified Acoustics CAC	Total Acoustics[1] NRC or CAC	Articulation Class	Fire Performance	Light Reflect	Anti-Mold & Mildew Bio-Block	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Durability: Wash	Durability: Impact	Durability: Scratch	Durability: Soil	Recycled Content	Recycle Program	30-Yr Warranty
ULTIMA®																			
15/16" Square Lay-in	1	**1420**	6 x 48 x 3/4"	N/A	N/A	–	–	Class A	0.90 •	•	•	•	•	•	•	•	•	•	•
	1	**1425**	6 x 60 x 3/4"	N/A	N/A	–	–	Class A	0.90 •	•	•	•	•	•	•	•	•	•	•
	1	**1990**	12 x 48 x 3/4"	0.65	35 •	GOOD	–	Class A	0.90 •	•	•	•	•	•	•	•	•	•	•
	1	**1991**	12 x 60 x 3/4"	0.65	35 •	GOOD	–	Class A	0.90 •	•	•	•	•	•	•	•	•	•	•
	1	**1992**	12 x 72 x 3/4"	0.65	35 •	GOOD	–	Class A	0.90 •	•	•	•	•	•	•	•	•	•	•
	1	**1910**	24 x 24 x 3/4"	0.75 •	35 •	BETTER	–	Class A	0.90 •	•	•	•	•	•	•	•	• •	•	•
	1	**1910HRC**	24 x 24 x 3/4"																
	1	**1913**	24 x 48 x 3/4"	0.75 •	35 •	BETTER	–	Class A	0.90 •	•	•	•	•	•	•	•	• •	•	•
	1	**1913HRC**	24 x 48 x 3/4"																
	1	**1984**	24 x 60 x 3/4"	0.75 •	35 •	BETTER	–	Class A	0.90 •	•	•	•	•	•	•	•	•	•	•
	1	**1980**	24 x 72 x 3/4"	0.75 •	35 •	BETTER	–	Class A	0.90 •	•	•	•	•	•	•	•	•	•	•
	1	**FastSize™ Panels**	W: 4" - 24" / L: 4" - 72" 3/4" Thick	N/A	N/A	–	–	Class A	0.90 •	•	•	•	•	•	•	•	•	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product. **FastSize**: Factory-finished, made-to-order sizes, shipped fast (1 carton min.)
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)
HRC items not available in FastSize or other size panels.

SUSPENSION SYSTEMS

15/16"



Prelude®

Blizzard White – Suspension System Finish
A color and texture coordinated suspension system to complement Ultima ceiling panels for a monolithic look and feel.

PHYSICAL DATA

Material
Wet-formed mineral fiber with DuraBrite® acoustically transparent membrane.

Surface Finish
DuraBrite scrim with factory-applied latex paint.

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled).

ASTM E1264 Classification
Type IV, Form 2, Pattern E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Acoustical Performance
CAC testing conducted using Prelude® XL® suspension system.

Primary (Embodied) Energy
See all LCA information on our EPDs.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines. HRC items contain 15% or greater post-consumer recycled ceilings.

Insulation Value
R Factor – 2.2 (BTU units)
R Factor – 0.39 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
1420, 1425 – 1.05 lbs/SF; 24 SF/ctn
1910, 1913, – 1.08 lbs/SF; 48 SF/ctn
1991 – 1.08 lbs/SF; 30 SF/ctn
1992 – 1.08 lbs/SF; 36 SF/ctn
1980 – 1.08 lbs/SF; 72 SF/ctn
1984 – 1.08 lbs/SF; 80 SF/ctn
1990 – 1.08 lbs/SF; 24 SF/ctn

Minimum Order Quantity
1 carton

Metric Items Available
1910M, 1913M, – Metric items subject to extended lead times and minimum quantities.

ULTIMA®
ULTIMA® High NRC

Square Lay-in
fine texture

CLOSED LOOP RECYCLED CONTENT CEILING•2•CEILING

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

UP TO 84% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD ✓ | recyclable/ extended producer resp. ✓ | biobased materials ✓ | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting ✓ | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance.

$$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics: NRC	+ CAC	= NRC+CAC	Total Acoustics[1]	Articulation Class	Fire Performance	Light Reflect	Anti-Mold & Mildew (Bio-Block)	Sag Resist (Humi-Guard+)	Certified Low VOC Emissions	Wash (Durability)	Impact (Durability)	Scratch (Durability)	Soil (Durability)	Recycled Content	Recycle Program	30-Yr Warranty
ULTIMA® with AirGuard™ Coating Actively removes formaldehyde from indoor air.																				
15/16" Square Lay-in	1	**1900**	24 x 24 x 3/4" □	0.75 •	35 •		BETTER	–	Class A	0.90 •	•	•	•	•	•	•	•	•	•	•
	1	**1903**	24 x 48 x 3/4" ▭	0.75 •	35 •		BETTER	–	Class A	0.90 •	•	•	•	•	•	•	•	•	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)

SUSPENSION SYSTEMS

15/16"



Prelude®

Blizzard White – Suspension System Finish
A color and texture coordinated suspension system to complement Ultima ceiling panels for a monolithic look and feel.

PHYSICAL DATA

Material
Wet-formed mineral fiber with DuraBrite® acoustically transparent membrane

Surface Finish
DuraBrite scrim with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled).

ASTM E1264 Classification
Type IV, Form 2, Pattern E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Acoustical Performance
CAC testing conducted using Prelude® XL® suspension system.

Primary (Embodied) Energy
See all LCA information on our EPDs.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines. HRC items contain 15% or greater post-consumer recycled ceilings.

Insulation Value
R Factor – 2.2 (BTU units)
R Factor – 0.39 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
1900, 1903, – 1.08 lbs/SF; 48 SF/ctn

Minimum Order Quantity
1 carton

TechLine / 1 877 276-7876
armstrongceilings.com/commercial
(search: ultima)
BPCS-4595-517

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ULTIMA®
ULTIMA® High NRC

Tegular
fine texture

TOTAL ACOUSTICS®
Sound Absorption (NRC)
+ Sound Blocking (CAC)

10-YEAR REPLACEMENT PANEL AVAILABILITY
1911, 1912,
1914, 1915

Ultima

Ultima High NRC



Ultima® Beveled Tegular panels with Sonata® 9/16" suspension system (Pg. 401)



See more photos at:
armstrongceilings.com/photogallery
SEARCH: ultima

A smooth visual ceiling with Total Acoustics® performance, sound absorption, and blocking needed for today's flexible spaces

KEY SELECTION ATTRIBUTES

- Get total noise control and design flexibility with Total Acoustics® ceiling panels: NRC + CAC = Total Acoustics® performance
- Ultima® panels are part of the Sustain™ portfolio and meet the most stringent sustainability compliance standards today
- Smooth, clean, durable finish – Washable, Impact-resistant, Scratch-resistant, Soil-resistant
- Excellent sound absorption
- High CAC for excellent sound blocking – items 1894, 1895, 1951, 1952
- Ceiling-2-Ceiling™ Post-consumer Recycled Content options: items 1911HRC, 1912HRC, 1914HRC, 1915HRC. 71% Pre-consumer; 15% Post-consumer
- USDA-Certified Biobased Product – 88%
- Available with AirGuard™ coating
- Visual coordinates with Optima® panels for mixed (open/closed plan) applications
- Item 1912 available with Create!™ printed images and patterns – see pages 245-247
- Non-directional visual reduces scrap and installation time
- Compatible with the TechZone® Ceiling Systems (Pgs. 337-344)
- 30-Year Limited System Warranty against visible sag (excludes items 1905 and 1929), mold, and mildew

TYPICAL APPLICATIONS

- Offices – closed spaces for privacy and confidentiality; open spaces for focus, collaboration, and teaming
- Healthcare – assists in addressing HIPAA, HCAHPS, and FGI acoustical requirements
- Classrooms
- Corridors
- Lobbies/reception areas
- Department stores/retail

COLOR

White
(WH)

DETAILS (Other Suspension Systems compatible. Refer to listing on page 316.)



1. Ultima® Beveled Tegular
2. Ultima® with Suprafine® 9/16" suspension system
3. Ultima® with Silhouette® XL® 9/16" suspension system with 1/4" reveal

ULTIMA®
ULTIMA® High NRC

Tegular
fine texture

CLOSED LOOP RECYCLED CONTENT CEILING•2•CEILING

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

UP TO 84% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED® ▲ LOCATION DEPENDENT: energy management; construction waste mgmt; regional materials; design for flexibility; EPD; recyclable/extended producer resp.; biobased materials; recycled content; sourcing of raw materials; material ingredient reporting; low emitting/materials; lighting quality; acoustics

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance.

$$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC	UL Classified Acoustics CAC	Total Acoustics[1]	Articulation Class	Fire Performance	Light Reflect	Anti-Mold & Mildew (Bio-Block)	Sag Resist (Humi-Guard+)	Certified Low VOC Emissions	Durability: Wash	Durability: Impact	Durability: Scratch	Durability: Soil	Recycled Content	Recycle Program	30-Yr Warranty
ULTIMA® High NRC																			
15/16" Beveled Tegular	15	**1941**	24 x 24 x 7/8"	0.80 •	35 •	**BEST**	170 •	Class A	0.87 •	•	•	•	•	•	•	•	•	•	•
	15	**1944**	24 x 48 x 7/8"	0.80 •	35 •	**BEST**	170 •	Class A	0.87 •	•	•	•	•	•	•	•	•	•	•
	15	new **1433**	24 x 60 x 7/8"	0.80 •	35 •	**BEST**	170 •	Class A	0.87 •	•	•	•	•	•	•	•	•	•	•
	15	new **1436**	24 x 72 x 7/8"	0.80 •	35 •	**BEST**	170 •	Class A	0.87 •	•	•	•	•	•	•	•	•	•	•
	15	**Other Size Panels**	W: 12" – 24" / L: 24" – 60" 7/8" Thick	N/A	N/A	–	–	Class A	0.87 •	•	•	•	•	•	•	•	•	•	•
9/16" Beveled Tegular	29, 44, 48, 52, 56	**1942**	24 x 24 x 7/8"	0.80 •	35 •	**BEST**	170 •	Class A	0.87 •	•	•	•	•	•	•	•	•	•	•
	29, 44, 48, 52, 56	**1942HRC**	24 x 24 x 3/4"	0.75 •	35 •	**BETTER**	170 •	Class A	0.87 •	•	•	•	•	•	•	•	•	•	•
	29, 44, 48, 52, 56	**1945**	24 x 48 x 7/8"	0.80 •	35 •	**BEST**	170 •	Class A	0.87 •	•	•	•	•	•	•	•	•	•	•
	29, 44, 48,52, 56	new **1431**	30 x 30 x 7/8"	0.80 •	35 •	**BEST**	170 •	Class A	0.87 •	•	•	•	•	•	•	•	•	•	•
	29, 44, 48,52, 56	new **1434**	24 x 60 x 7/8"	0.80 •	35 •	**BEST**	170 •	Class A	0.87 •	•	•	•	•	•	•	•	•	•	•
	29, 44, 48,52, 56	new **1437**	24 x 72 x 7/8"	0.80 •	35 •	**BEST**	170 •	Class A	0.87 •	•	•	•	•	•	•	•	•	•	•
	29, 44, 48, 52, 56	**Other Size Panels**	W: 12" – 24" / L: 24" – 48" 7/8" Thick	N/A	N/A	–	–	Class A	0.87 •	•	•	•	•	•	•	•	•	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)
HRC items not available in other size panels.

SUSPENSION SYSTEMS

15/16" Prelude®

9/16" Silhouette® 1/4" Reveal; Silhouette 1/8" Reveal; Suprafine®; Interlude® XL® HRC; Sonata® XL®

Blizzard White – Suspension System Finish
A color and texture coordinated suspension system to complement Ultima ceiling panels for a monolithic look and feel.

PHYSICAL DATA

Material
Wet-formed mineral fiber with DuraBrite® acoustically transparent membrane

Surface Finish
DuraBrite scrim with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled). Fire Guard™: A fire-resistive ceiling when used in applicable UL assemblies (Class A).

ASTM E1264 Classification
Type IV, Form 2, Pattern E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Acoustical Performance
CAC testing conducted using Prelude® XL® suspension system for 15/16" edge detail and Silhouette® suspension system for 9/16" edge detail.

Primary (Embodied) Energy
See all LCA information on our EPDs.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines. HRC items contain 15% or greater post-consumer recycled ceilings.

Insulation Value
R Factor – 2.2 (BTU units)
R Factor – 0.39 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
1945 – 1.14 lbs/SF; 40 SF/ctn
1941, 1942 – 1.125 lbs/SF; 40 SF/ctn
1944 – 1.125 lbs/SF; 48 SF/ctn
1433 – 1.05 lbs/SF; 60 SF/ctn
1436 – 1.04 lbs/SF; 72 SF/ctn
1431 – 1.06 lbs/SF; 62.5 SF/ctn
1434 – 1.05 lbs/SF; 60 SF/ctn
1437 – 1.04 lbs/SF; 72 SF/ctn

Minimum Order Quantity
1 carton, excludes other size panels

Metric Items Available
1941M, 1944M, 1945M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

ULTIMA®
ULTIMA® High NRC

Tegular
fine texture

CLOSED LOOP RECYCLED CONTENT CEILING•2•CEILING

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UP TO 84% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED® energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD ✓ | recyclable/ extended producer resp. ✓ | biobased materials ✓ | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting ✓ | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance.

$$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC	+ CAC	= Total Acoustics[1] NRC x CAC	Fire Performance	Light Reflect	Anti-Mold & Mildew Bio-Block	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Durability: Wash	Impact	Scratch	Soil	Recycled Content	Recycle Program	30-Yr Warranty
ULTIMA®																		
15/16" Beveled Tegular	15	**1422**	6 x 48 x 3/4"	N/A	N/A	–	Class A	0.90 •	0.90 •	•	•	•	•	•	•	•	•	•
	15	**1917**	12 x 24 x 3/4"	N/A	N/A	–	Class A	0.90 •	0.90 •	•	•	•	•	•	•	•	•	•
	15	**1993**	12 x 48 x 3/4"	N/A	N/A	–	Class A	0.90 •	0.90 •	•	•	•	•	•	•	•	•	•
	15	**1994**	12 x 60 x 3/4"	N/A	N/A	–	Class A	0.90 •	•	•	•	•	•	•	•	•	•	•
	15	**1995**	12 x 72 x 3/4"	N/A	N/A	–	Class A	0.90 •	•	•	•	•	•	•	•	•	•	•
	15	**1911** / **1911HRC**	24 x 24 x 3/4" / 24 x 24 x 3/4"	0.75 •	35 •	BETTER	Class A	0.90 •	•	•	•	•	•	•	•	• •	•	•
	15	**1951**	24 x 24 x 3/4"	0.60	40 •	GOOD	Class A	0.90 •	•	•	•	•	•	•	•	•	•	•
	15	**1894**	24 x 24 x 3/4"	0.60	40 •	GOOD	Fire Guard™	0.90 •	•	•	•	•	•	•	•	•	•	•
	15	**1914** / **1914HRC**	24 x 48 x 3/4" / 24 x 48 x 3/4"	0.75 •	35 •	BETTER	Class A	0.90 •	•	•	•	•	•	•	•	• •	•	•
	15	**1985**	24 x 60 x 3/4"	0.75 •	35 •	BETTER	Class A	0.90 •	•	•	•	•	•	•	•	•	•	•
	15	**1981**	24 x 72 x 3/4"	0.75 •	35 •	BETTER	Class A	0.90 •	•	•	•	•	•	•	•	•	•	•
	15	FS **FastSize™ Panels**	W: 4" - 24" / L: 4" - 72" 3/4" thick	N/A	N/A	–	Class A	0.90 •	•	•	•	•	•	•	•	•	•	•
9/16" Beveled Tegular	29, 44, 48, 52, 56	**1423**	6 x 48 x 3/4"	N/A	N/A	–	Class A	0.90 •	•	•	•	•	•	•	•	•	•	•
	29, 44, 48, 52, 56	**1427**	6 x 60 x 3/4"	N/A	N/A	–	Class A	0.90 •	•	•	•	•	•	•	•	•	•	•
	29, 44, 48, 52, 56	**1916**	12 x 24 x 3/4"	N/A	35 •	–	Class A	0.90 •	•	•	•	•	•	•	•	•	•	•
	29, 44, 48, 52, 56	**1996**	12 x 48 x 3/4"	0.65	35 •	GOOD	Class A	0.90 •	•	•	•	•	•	•	•	•	•	•
	29, 44, 48, 52, 56	**1997**	12 x 60 x 3/4"	0.65	35 •	GOOD	Class A	0.90 •	•	•	•	•	•	•	•	•	•	•
	29, 44, 48, 52, 56	**1998**	12 x 72 x 3/4"	0.65	35 •	GOOD	Class A	0.90 •	•	•	•	•	•	•	•	•	•	•
	29, 44, 48, 52, 56	**1912** / **1912HRC**	24 x 24 x 3/4" / 24 x 24 x 3/4"	0.75 •	35 •	BETTER	Class A	0.90 •	•	•	•	•	•	•	•	• •	•	•
	29, 44, 48, 52, 56	**1952**	24 x 24 x 3/4"	0.60	40 •	GOOD	Class A	0.90 •	•	•	•	•	•	•	•	•	•	•
	29, 44, 48, 52, 56	**1895**	24 x 24 x 3/4"	0.60	40 •	GOOD	Fire Guard	0.90 •	•	•	•	•	•	•	•	•	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product. **GOOD** (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)
HRC items not available in other size panels.

FS **FastSize**: Factory-finished, made-to-order sizes, shipped fast (1 carton min.)

ULTIMA®
ULTIMA® High NRC

Tegular
fine texture

CLOSED LOOP RECYCLED CONTENT CEILING•2•CEILING

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

UP TO 84% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt; regional materials; design for flexibility; EPD; recyclable/extended producer resp.; biobased materials; recycled content; sourcing of raw materials; material ingredient reporting; low emitting/materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance. $$$$

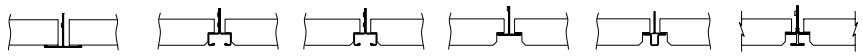
Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC + CAC = Total Acoustics[1] NRC+CAC	Fire Performance	Light Reflect	Anti-Mold & Mildew: Bio-Block	Sag Resist: Humi-Guard+	Certified Low VOC Emissions	Durability: Wash	Durability: Impact	Durability: Scratch	Durability: Soil	Recycled Content	Recycle Program	30-Yr Warranty
ULTIMA®																
9/16" Beveled Tegular	29, 44, 48, 52, 56	**1915** **1915HRC**	24 x 48 x 3/4" 24 x 48 x 3/4"	0.75 • 35 • BETTER	Class A	0.90 •	•	•	•	•	•	•	•	•	•	•
	29, 44, 48, 52, 56	**1986**	24 x 60 x 3/4"	0.75 • 35 • BETTER	Class A	0.90 •	•	•	•	•	•	•	•	•	•	•
	29, 44, 48, 52, 56	**1982**	24 x 72 x 3/4"	0.75 • 35 • BETTER	Class A	0.90 •	•	•	•	•	•	•	•	•	•	•
	29, 44, 48, 52, 56	**1905** **1905HRC**	30 x 30 x 3/4" 30 x 30 x 3/4"	0.75 • 35 • BETTER	Class A	0.90 •	•	Std	•	•	•	•	•	•	•	•
	29, 44, 48, 52, 56	**1929**	30 x 54 x 3/4"	0.75 • 35 • BETTER	Class A	0.90 •	•	Std	•	•	•	•	•	•	•	•
	29, 44, 48, 52, 56	FS **FastSize™ Panels**	W: 4" - 24" / L: 4" - 72" 3/4" Thick	N/A N/A –	Class A	0.90 •	•	•	•	•	•	•	•	•	•	•
ULTIMA® with AirGuard™ Coating Actively removes formaldehyde from indoor air.																
15/16" Beveled Tegular	15	**1901**	24 x 24 x 3/4"	0.75 • 35 • BETTER	Class A	0.90 •	•	•	•	•	•	•	•	•	•	•
	15	**1904**	24 x 48 x 3/4"	0.75 • 35 • BETTER	Class A	0.90 •	•	•	•	•	•	•	•	•	•	•
9/16" Beveled Tegular	29, 44, 48, 52, 56	**1902**	24 x 24 x 3/4"	0.75 • 35 • BETTER	Class A	0.90 •	•	•	•	•	•	•	•	•	•	•
	29, 44, 48, 52, 56	**1906**	24 x 48 x 3/4"	0.75 • 35 • BETTER	Class A	0.90 •	•	•	•	•	•	•	•	•	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product. **GOOD** (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)
HRC items not available in other size panels.

FS **FastSize**: Factory-finished, made-to-order sizes, shipped fast (1 carton min.)

SUSPENSION SYSTEMS

9/16"



Prelude® XL® | Silhouette® 1/4" Reveal | Silhouette 1/8" Reveal | Suprafine® | Interlude® XL® HRC | Sonata® XL®

Blizzard White – Suspension System Finish

A color and texture coordinated suspension system to complement Ultima® ceiling panels for a monolithic look and feel.

PHYSICAL DATA

Material
Wet-formed mineral fiber with DuraBrite® acoustically transparent membrane

Surface Finish
DuraBrite with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled). Fire Guard™: A fire-resistive ceiling when used in applicable UL assemblies (Class A).

ASTM E1264 Classification
Type IV, Form 2, Pattern E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications. (Excludes items 1905 and 1929).

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Acoustical Performance
CAC testing conducted using Prelude® XL® suspension system for 15/16" edge detail and Silhouette® suspension system for 9/16" edge detail.

Primary (Embodied) Energy
See all LCA information on our EPDs.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines. HRC items contain 15% or greater post-consumer recycled ceilings.

Insulation Value
R Factor – 2.2 (BTU units)
R Factor – 0.39 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
1917, 1993 – 1.05 lbs/SF; 24 SF/ctn
1422 – 1.08 lbs/SF; 24 SF/ctn
1905 – 1.05 lbs/SF; 62.5 SF/ctn
1911, 1912, 1914, 1915 – 1.05 lbs/SF; 48 SF/ctn
1916, 1996 – 1.05 lbs/SF; 24 SF/ctn
1423 – 1.08 lbs/SF; 24 SF/ctn
1427 – 1.07 lbs/SF; 24 SF/ctn
1929 – 1.02 lbs/SF; 68 SF/ctn
1895, 1952, 1951 – 1.31 lbs/SF; 48 SF/ctn
1901, 1902, 1904, 1906 – 1.08 lbs/SF; 48 SF/ctn
1997, 1994 – 1.05 lbs/SF; 30 SF/ctn
1998, 1995 – 1.05 lbs/SF; 36 SF/ctn
1981, 1982 - 1.08 lbs/SF; 72 SF/ctn
1894, 1985, 1986 – 1.08 lbs/SF; 80 SF/ctn

Minimum Order Quantity
1 carton

Metric Items Available
1905M, 1912M, 1912MHRC, 1914M, 1915M, 1916M – Metric items are subject to extended lead times and minimum quantities. Contact your representative for more details.

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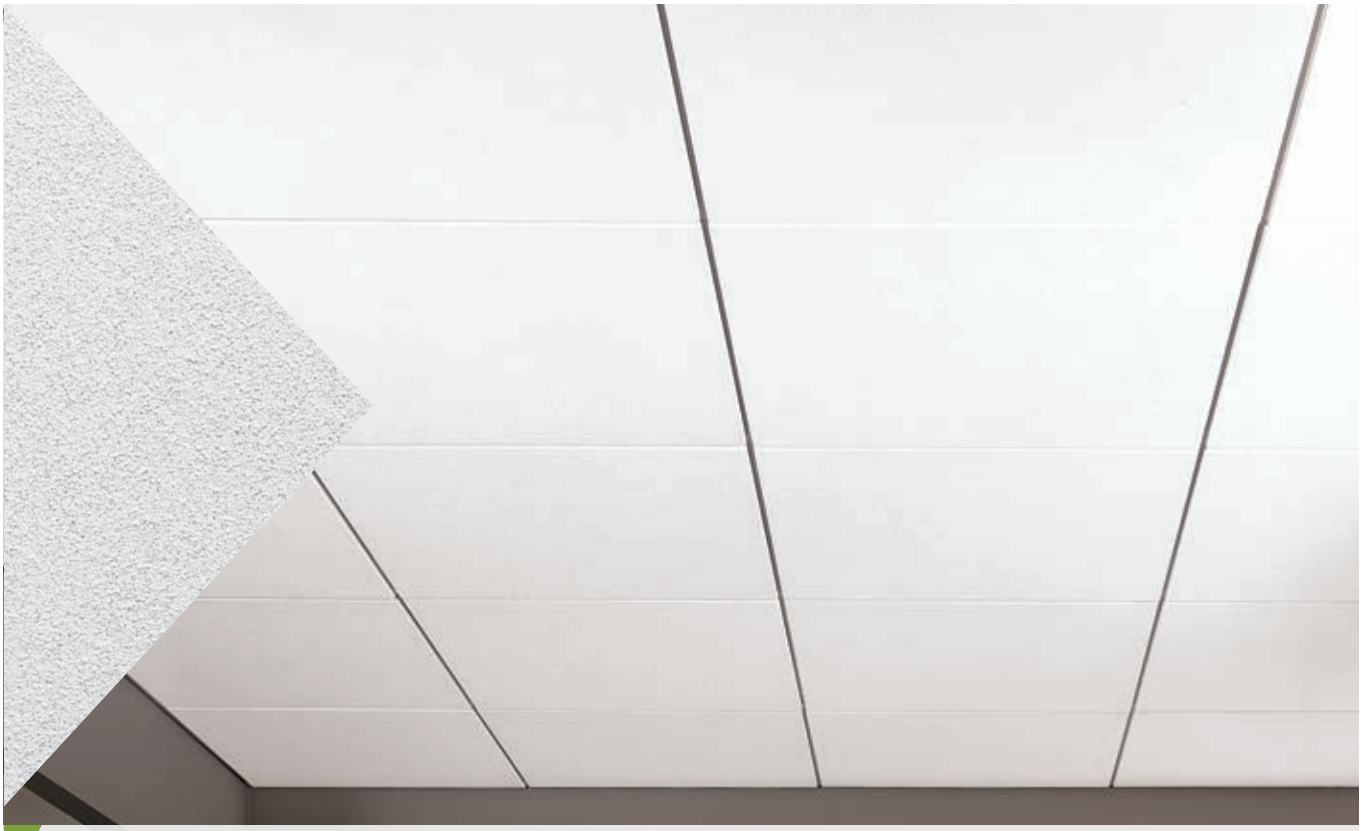
ULTIMA®

Vector®
fine texture

10-YEAR REPLACEMENT PANEL AVAILABILITY
1920



Ultima® Vector® panels with Prelude® 15/16" suspension system (Pgs. 391-392)

Ultima® Vector® panels are great for projects where plenum space is limited and a sleek, modern visual is desired.

KEY SELECTION ATTRIBUTES

- Smooth, clean, durable finish – Washable, Scratch-resistant, Soil-resistant
- Ultima® Vector® panels are part of the Sustain™ portfolio and meet the most stringent sustainability compliance standards today
- 1/4" reveal resulting in a monolithic appearance (Vector)
- Downward accessible for minimal plenum height (Vector)
- USDA Certified Biobased Product – 88%
- Visual coordinates with Optima® for mixed (open/closed plan) applications
- Item 1920 available with Create!™ printed images and patterns, see pages 245-247
- 30-Year Limited System Warranty against visible sag, mold, and mildew
- Fast Size™ panels recommended for fixture integration

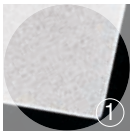
TYPICAL APPLICATIONS

- Renovation – installs on existing 15/16" suspension
- Offices
- Healthcare – assists in addressing HIPAA, HCAHPS, and FGI acoustical requirements
- Corridors
- Lobbies/reception areas

COLOR

White (WH)

DETAILS (Other Suspension Systems compatible. Refer to listing on page 320.)





1. Ultima® Vector®
2. Ultima Vector with Prelude® 15/16" suspension system

ULTIMA®

Vector®
fine texture

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

UP TO 76% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

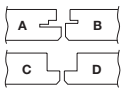
LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD | recyclable/ extended producer resp. ✓ | biobased materials ✓ | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance. $$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC + CAC =	Total Acoustics[1]	Fire Performance	Light Reflect	Anti-Mold & Mildew (Bio-Block)	Sag Resist (Humi-Guard+)	Certified Low VOC Emissions	Wash (Durability)	Scratch (Durability)	Soil (Durability)	Recycled Content	Recycle Program	30-Yr Warranty
ULTIMA® Vector®																
1/4" Reveal 	74	**1921**	12 x 24 x 3/4" ▭	N/A N/A	–	Class A	0.90 •	•	•	•	•	•	•	•	•	•
	74	**1920**	24 x 24 x 3/4" □	0.70 • 33	–	Class A	0.90 •	•	•	•	•	•	•	•	•	•
	74 FS	**FastSize™ Panels**	W: 4" – 24" / L: 4" – 24" 3/4" Thick	N/A N/A	–	Class A	0.90 •	•	•	•	•	•	•	•	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product. FS **FastSize**: Factory-finished, made-to-order sizes, shipped fast (1 carton min.)
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)

SUSPENSION SYSTEMS

15/16"



Prelude® Vector®

VECTOR – FIXTURE TRIMS

Item No.	Length	Color	Substrate	Pcs per Carton
5790	12"	White	Extruded PVC	48
5791	24"	White	Extruded PVC	48
5792	30"	White	Extruded PVC	48
5793	48"	White	Extruded PVC	48

ACCESSORIES (must be ordered separately)

Item No.			Pcs per Carton
440A		Vector Border Clip (For all installations)	50
442A		Vector Hold Down Clip (For all installations)	50
7425		24" Stabilizer Bar	100
7445		48" Stabilizer Bar	100
7870		Spring Border Clip (For installations with the panel resting on the wall molding)	1,000

PHYSICAL DATA

Material
Wet-formed mineral fiber with DuraBrite® acoustically transparent membrane.

Surface Finish
DuraBrite with factory-applied latex paint.

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled).

ASTM E1264 Classification
Type IV, Form 2, Pattern E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Acoustical Performance
CAC testing conducted using Prelude® XL® suspension system.

Primary (Embodied) Energy
See all LCA information on our EPDs.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
R Factor – 2.2 (BTU units)
R Factor – 0.39 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
1920 – 1.08 lbs/SF; 48 SF/ctn
1921 – 1.08 lbs/SF; 24 SF/ctn

Minimum Order Quantity
1 carton, excludes FastSize™ sizes

TechLine / 1 877 276-7876
armstrongceilings.com/commercial
(search: ultima)
BPCS-3313-517

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Armstrong® CEILING & WALL SOLUTIONS

ULTIMA® Health Zone™
ULTIMA® Health Zone™ High NRC

Square Lay-in
fine texture

TOTAL ACOUSTICS®
Sound Absorption (NRC)
+ Sound Blocking (CAC)



Ultima® Health Zone™ Square Lay-in panels with Prelude® 15/16" suspension system (Pgs. 391-392)

Smooth-textured Ultima® Health Zone™ panels meet USDA/FSIS guidelines for use in food preparation areas, kitchens, and Clean Room assemblies, is water-repellent, and provides excellent sound absorption and blocking, addressing HIPAA requirements.

KEY SELECTION ATTRIBUTES

- Get total noise control and design flexibility with Total Acoustics® ceiling panels: NRC + CAC = Total Acoustics® performance
- Ultima® panels are part of the Sustain™ portfolio and meet the most stringent sustainability compliance standards today
- Clean Rooms up to ISO Class 5 (Class 100) (items 1935 & 1938)
- Exceeds FGI Guidelines for acoustics and cleanability in general healthcare spaces
- Meets USDA/FSIS guidelines for use in food processing areas
- Long-lasting water-repellency; Washable and Scrubbable
- USDA Certified Biobased Product – 88%
- Smooth, clean, durable finish – Impact-, Scratch-, and Soil-resistant; safe for use with disinfectants
- Excellent sound absorption
- 30-Year Limited System Warranty against visible sag, mold and mildew, and bacterial growth

TYPICAL APPLICATIONS

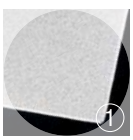
Clean Rooms (item 1935)
Healthcare

- Patient rooms
- Treatment rooms
- Nurses' stations
- Emergency rooms
- Corridors
- Lavatories and restrooms
- Kitchen/food prep areas

COLOR

White
(WH)

DETAILS





1. Ultima® Health Zone™ Square Lay-in
2. Ultima® Health Zone™ High NRC Square Lay-in panels with Clean Room™ 15/16" suspension system

ULTIMA® Health Zone™
ULTIMA® Health Zone™ High NRC

Square Lay-in
fine texture

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

UP TO 76% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD ✓ | recyclable/ extended producer resp. ✓ | biobased materials ✓ | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting ✓ | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance.

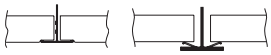
$$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC	+ CAC	= NRC+CAC	Total Acoustics[1]	Fire Performance	Light Reflect	Anti-Mold & Mildew (Bio-Block)	Sag Resist (Humi-Guard+)	Certified Low VOC Emissions	Water Repel (Durability)	Wash (Durability)	Scrub (Durability)	Impact (Durability)	Scratch (Durability)	Soil (Durability)	Recycled Content	Recycle Program	30-Yr Warranty
ULTIMA® Health Zone™ High NRC																					
15/16" Square Lay-in	1, 6	**1445**	24 x 24 x 1"	0.80 •		35 •	**BEST**	Class A	0.86 •	•	•	•	•	•	•	•	•	•	•	•	•
	1, 6	**1448***	24 x 48 x 1"	0.80 •		35 •	**BEST**	Class A	0.86 •	•	•	•	•	•	•	•	•	•	•	•	•
ULTIMA Health Zone																					
15/16" Square Lay-in	1, 6	**1935**	24 x 24 x 3/4"	0.70 •		38 •	**BETTER**	Class A	0.86 •	•	•	•	•	•	•	•	•	•	•	•	•
	1, 6	**1938***	24 x 48 x 3/4"	0.70 •		38 •	**BETTER**	Class A	0.86 •	•	•	•	•	•	•	•	•	•	•	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)
* Item does not have painted edges

SUSPENSION SYSTEMS

15/16"



Prelude®

Clean Room™ (Steel or Aluminum)

PHYSICAL DATA

Material
Wet-formed mineral fiber with DuraBrite® acoustically transparent water-repellent membrane

Surface Finish
DuraBrite with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled).

ASTM E1264 Classification
Type IV, Form 2, Pattern E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew & Bacterial Protection
Health Zone™ ceiling panels with BioBlock® Plus performance resist the growth of mold and mildew, and resist odor- and stain-causing bacterial growth.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Acoustical Performance
CAC testing conducted using Prelude® XL® suspension system.

Primary (Embodied) Energy
See all LCA information on our EPDs.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
R Factor – 2.2 (BTU units)
R Factor – 0.39 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Cleaning Recommendations
To clean panel, use a clean, white cloth with water or a mild detergent, and wipe surface. To disinfect panel, lightly spray surface and wipe clean with a clean, white cloth. Acceptable colorless disinfectants include:

- Sodium hypochlorite
- Hydrogen peroxide
- Quaternary ammonium

Weight; Square Feet/Carton
1935, 1938 – 1.08 lbs/SF; 48 SF/ctn
1448, 1445 – 1.0 lbs/SF; 40 SF/ctn

Minimum Order Quantity
1 carton

TechLine / 1 877 276 7876
armstrongceilings.com/commercial
(search: ultima)
BPCS-4066-817

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ULTIMA® Health Zone™
ULTIMA® Health Zone™ High NRC

Tegular
fine texture

TOTAL ACOUSTICS®
Sound Absorption (NRC)
+ Sound Blocking (CAC)



Ultima® Health Zone™ Tegular panels with Prelude® ML 15/16" suspension system (Pg. 388)

Smooth-textured Ultima® Health Zone™ meets USDA/FSIS guidelines for use in food preparation areas, kitchens and Clean Room assemblies, is water-repellent, and provides excellent sound absorption and blocking, addressing HIPAA requirements.

KEY SELECTION ATTRIBUTES

- Get total noise control and design flexibility with Total Acoustics® ceiling panels: NRC + CAC = Total Acoustics® performance
- Ultima® panels are part of the Sustain™ portfolio and meet the most stringent sustainability compliance standards today
- Clean Rooms up to ISO Class 5 (Class 100) (items 1935 & 1937)
- Exceeds FGI Guidelines for acoustics and cleanability in general healthcare spaces
- Meets USDA/FSIS guidelines for use in food processing areas
- Long-lasting water-repellency; Washable and Scrubbable
- USDA Certified Biobased Product – 88%
- Smooth, clean, durable finish – Impact-, Scratch-, and Soil-resistant; safe for use with disinfectants
- Excellent sound absorption
- 30-Year Limited System Warranty against visible sag, mold/mildew, and bacterial growth

TYPICAL APPLICATIONS

Clean Rooms (item 1937)
Healthcare:

- Patient rooms
- Treatment rooms
- Nurses' stations
- Emergency rooms
- Corridors
- Lavatories and restrooms
- Kitchen/food prep areas

COLOR

White
(WH)

DETAILS (Other Suspension Systems compatible. Refer to listing on page 324.)



1. Ultima® Health Zone™ High NRC panel with panel Suprafine® 9/16" suspension system
2. Ultima® Health Zone™ High NRC Square Tegular panel with Prelude® XL® 15/16" suspension system
3. Ultima® Health Zone™ High NRC Square Tegular with Interlude® XL® HRC 9/16" suspension system

ULTIMA® Health Zone™
ULTIMA® Health Zone™ High NRC

Tegular
fine texture

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

UP TO 76% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓ | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD ✓ | recyclable/ extended producer resp. ✓ | biobased materials ✓ | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting ✓ | low emitting/ materials ✓ | lighting quality ✓ | acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance.

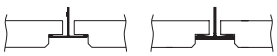
$$$$

Edge Profile	Susp. Dwg. Pgs. 407-411 armstrongceilings.com/catdwgs	Item No.	Dimensions (Inches)		UL Classified Acoustics NRC	+ CAC	= Total Acoustics[1] NRC + CAC	Fire Performance	Light Reflect	Anti-Mold & Mildew Bio-Block	Sag Resist Humi-Guard+	Certified Low VOC Emissions	Water Repel	Wash	Scrub	Impact	Scratch	Soil	Recycled Content	Recycle Program	30-Yr Warranty
ULTIMA® Health Zone™ High NRC													Durability								
15/16" Beveled Tegular	15, 16	**1447**	24 x 24 x 1"	☐	0.80 •	35 •	**BEST**	Class A	0.86 •	•	•	•	•	•	•	•	•	•	•	•	•
9/16" Beveled Tegular	29, 44, 48, 52, 56	**1446**	24 x 24 x 1"	☐	0.80 •	35 •	**BEST**	Class A	0.86 •	•	•	•	•	•	•	•	•	•	•	•	•
ULTIMA Health Zone																					
15/16" Beveled Tegular	15, 16	**1937**	24 x 24 x 3/4"	☐	0.70 •	38 •	**BETTER**	Class A	0.86 •	•	•	•	•	•	•	•	•	•	•	•	•
9/16" Beveled Tegular	29, 44, 48, 52, 56	**1936**	24 x 24 x 3/4"	☐	0.70 •	35 •	**BETTER**	Class A	0.86 •	•	•	•	•	•	•	•	•	•	•	•	•

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)

SUSPENSION SYSTEMS

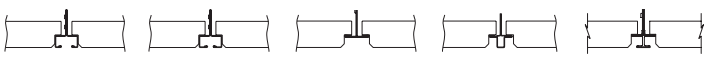
15/16"



Prelude® AL Prelude® Plus XL® SS Prelude Plus XL

Clean Room™ (Steel or Aluminum)

9/16"



Silhouette® XL® 1/4" Reveal

Silhouette XL 1/8" Reveal

Suprafine®

Interlude® XL® HRC

Sonata® XL®

PHYSICAL DATA

Material
Wet-formed mineral fiber with DuraBrite® acoustically transparent water-repellent membrane

Surface Finish
DuraBrite with factory-applied latex paint

Fire Performance
ASTM E84 and CAN/ULC S102 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less (UL labeled).

ASTM E1264 Classification
Type IV, Form 2, Pattern E
Fire Class A

Humidity/Sag Resistance
HumiGuard® Plus ceiling panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew & Bacterial Protection
Health Zone ceiling panels with BioBlock® Plus performance resist the growth of mold and mildew, and resist odor- and stain-causing bacterial growth.

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Acoustical Performance
CAC testing conducted using Prelude® XL® suspension system for 15/16" edge profile and Silhouette® XL® 9/16" profile.

Primary (Embodied) Energy
See all LCA information on our EPDs.

High Recycled Content
Contains greater than 50% total recycled content. Total recycled content based on product composition of post-consumer and pre-consumer (post-industrial) recycled content per FTC guidelines.

Insulation Value
R Factor – 2.2 (BTU units)
R Factor – 0.39 (Watts units)

30-Year Performance Guarantee & Warranty
When installed with Armstrong® Suspension System. Details at armstrongceilings.com

Cleaning Recommendations
To clean panel, use a clean, white cloth with water or a mild detergent, and wipe surface. To disinfect panel, lightly spray surface and wipe clean with a clean, white cloth. Acceptable colorless disinfectants include:
- Sodium hypochlorite
- Hydrogen peroxide
- Quaternary ammonium

Weight; Square Feet/Carton
1936, 1937 – 1.08 lbs/SF; 48 SF/ctn
1447, 1446 – 1.0 lbs/SF; 40 SF/ctn

Minimum Order Quantity
1 carton

TechLine / 1 877 276 7876
armstrongceilings.com/commercial
(search: ultima)
BPCS-5147-817

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Armstrong® CEILING & WALL SOLUTIONS

NRC + CAC = Total Acoustics®

TOTAL ACOUSTICS®

Watch the Total Acoustics® video series with Julian Treasure at: armstrongceilings.com/totalacoustics



Total Acoustics® ceilings have an ideal combination of noise reduction and sound-blocking performance in one panel with a minimum NRC of 0.60 and CAC of 35. Now, whether you're creating a space for quiet concentration, collaboration, or confidentiality, one panel meets the needs for today's flexible spaces.

Tectum® Tegular 1" ceiling panels can provide improved sound absorption and sound blocking with the addition of mineral fiber infill panels.

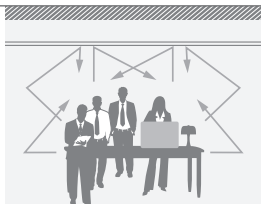
Acoustical absorption is important to:
- Reduce noise levels and reverberation time, as well as enhance speech intelligibility

A continuous Tectum® 1" thick Tegular ceiling with an acoustical infill panel provides sounds absorption (NRC 0.90, reducing reverberation by 88%, see example below).

Tectum® Tegular ceiling panels installed with an acoustical infill panel achieve Total Acoustics® Performance.

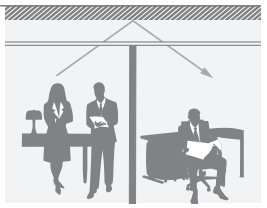
NRC (Noise Reduction Coefficient)

A measure for rating the overall sound absorption of a material when used in an enclosed architectural space such as an office, where sound is reflected at many angles of incidence. A ceiling system with an NRC < 0.50 is considered low performance, whereas one with NRC > 0.70 is considered high performance.



CAC (Ceiling Attenuation Class)

A measure for rating the performance of a ceiling system as a barrier to airborne sound transmission through a common plenum between adjacent closed spaces such as offices. A ceiling system with a CAC < 25 is considered low performance, whereas one with CAC > 35 is considered high performance. CAC is important between closed spaces, and from closed rooms to adjacent spaces, such as corridors and open office spaces.

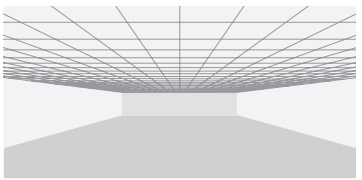


Example:

Exposed Structure



Continuous Ceiling



5,000 SF Exposed Structure (50' x 100'), 15' to deck, drywall with windows on two sides, commercial carpet		
	No Treatment (0% Coverage)	**Continuous Tectum Tegular ceiling panels and 1713 acoustical infill panel**
Ceiling	**Exposed Structure**	**Suspended 60" Below Deck**
NRC	0	0.90
CAC	3.4 sec	0.35
Total Acoustics®	–	**BEST**
Reverberation Time	3.4 sec	0.4 sec
RT Improvement	ref	88%
SPL Reduction	ref	-5.6 dB

For definitions of acoustical terms, see pages 473-474 in this catalog.



TECTUM

TECTUM® WOOD FIBER – CEMENTITIOUS

TECTUM®
WOOD FIBER – CEMENTITIOUS CEILINGS
At-a-Glance

you inspire™
solutions center
helping to bring your one-of-a-kind ideas to life

CEILINGS



Tectum® Concealed Panels Pg. 328



Tectum® Lay-In Panels Pgs. 329-330



Tectum® Tegular Panels Pgs. 331-332

OTHER TECTUM® WOOD FIBER – CEMENTITIOUS PRODUCTS IN THIS CATALOG

BLADES™ & BAFFLES



Tectum® Blades™ Pg. 66
Featured in Blades™ & Baffles Section

CLOUDS



Tectum® Shapes & Clouds Pg. 99
Featured in Clouds & Canopies Section

CEILINGS & WALLS – DIRECT-TO-DECK



Tectum® Direct-Attach Ceiling & Wall Panels Pgs. 107-108, 445-446
Featured in Direct-to-Deck Ceiling Section & Walls Section



Tectum® Finalé™ Ceiling & Wall Panels Pgs. 109, 447
Featured in Direct-to-Deck Ceiling Section & Walls Section



Tectum® Panel Art Pgs. 110, 449
Featured in Direct-to-Deck Ceiling Section & Walls Section



Tectum® Fabric Walls Pg. 448
Featured in Walls Section

ICON KEY

Icons are used throughout the catalog to help you quickly identify key products with high level of performance.

High Acoustics
Total Acoustics™

Perforated product has both NRC of 0.70 or greater AND CAC of 35 or higher when used with acoustic infill panels.

Product has NRC (Noise Reduction Coefficient) 0.70 or greater.

Sabin measures are noted under canopies and clouds products

Fire Performance
Class A

Seismic

Category D, E & F

BioBlock®

Resists the growth of mold and mildew

Humidity/Sag Resistance
HumiGuard® Plus

Recommended for areas subject to high humidity up to but not including standing water or outdoor applications.

High Durability
Scratch Resistance

Excellent resistance to surface scratching, scuffing or chipping as per Hess Rake Test.

Impact Resistance

Excellent resistance to surface impact as per Falling Ball Test.

Color Availability

Available in color.

Sustainability

Product is part of Sustain™ Portfolio and meets the most stringent sustainability compliance standards today.

Acousti-Tough® and Fabri-Tough® are registered trademarks of AWI Inc.

Armstrong® CEILING & WALL SOLUTIONS

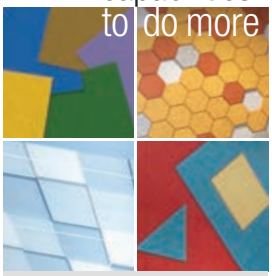
TECTUM® Concealed

Custom Ceiling Panels
coarse texture



Tectum® Concealed ceilings panels

plus... capabilities to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Tectum® Concealed combines abuse resistance and accessibility with a completely concealed grid system.

KEY SELECTION ATTRIBUTES

- Fully concealed ceiling system installs on standard 15/16" suspension system
- Panel sizes in 1-1/2" and 2" thickness; widths: 23-3/4"; lengths 48"-144"
- Available in White, Natural, and made-to-order Colorations® colors and Sherwin-Williams® colors
- Abuse resistant for active spaces

COLORS

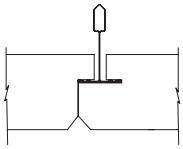
Due to printing limitations, shade may vary from actual product.



White (TWH) | Natural (TNA) | Made-to-order Colorations® Colors Available | Made-to-order Sherwin-Williams® Colors Available

DETAILS





Sherwin-Williams® is a registered trademark of the Sherwin-Williams Company

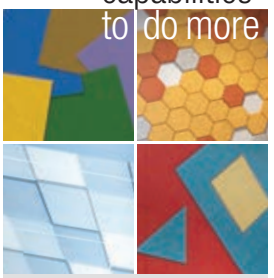
TECTUM®

Lay-in
coarse texture



Tectum® Lay-in 24" x 24" panels in White with Prelude® XL® 15/16" suspension system

plus...
capabilities
to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Tectum® Lay-in ceiling panels provide durable, sustainable, acoustical options for a wide variety of applications.

KEY SELECTION ATTRIBUTES

- Durable for heavy use interiors
- Tectum® panels are part of the Sustain™ portfolio and meet the most stringent sustainability standards today
- Wide variety of color options available, including made-to-order Colorations® and Sherwin-Williams® colors
- Can be field painted up to six times without impacting acoustic or fire performance
- Short lead times

TYPICAL APPLICATIONS

- Gymnasiums
- Auditoriums
- Multi-purpose Spaces
- Exposed Structures
- Acoustical Retrofits
- Education Spaces

COLORS

Due to printing limitations, shade may vary from actual product.



White (TWH)

Natural (TNA)

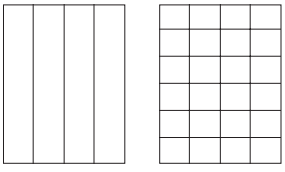
Made-to-order Colorations® Colors Available

Made-to-order Sherwin-Williams® Colors Available

Note: Colorations® colors and panels greater than 1" thick are not included in Sustain™ portfolio.

LINE DESIGN CAPABILITIES

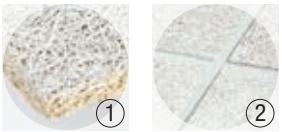
Available through special order.



Vertical Line-Design Panel

Grid Line-Design Panel

DETAILS



1. Tectum® Lay-in
2. Tectum® Lay-in with Prelude® 15/16" suspension system

Note: Panel edges are unfinished.

TECTUM®

Lay-in
coarse texture

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

FSC www.fsc.org FSC® C007626 The mark of responsible forestry (upon request)

For LEED contribution visit armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt; regional materials ✓; design for flexibility; EPD ✓; recyclable/ extended producer resp.; biobased materials; FSC (for wood) ✓; recycled content; sourcing of raw materials ✓; material ingredient reporting ✓; low emitting/ materials ✓; lighting quality; acoustics

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance.

ACOUSTICAL INFORMATION

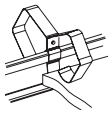
Edge Profile	Suspension Detail Dwg. Pgs. 407-411	Item No. ◆	Dimensions (Inches)	Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Wash	Impact	Scratch	30-Yr Warranty
TECTUM® Lay-in (FSC Certified Available Upon Request)					(White Only)	BioBlock	Humi-Guard+		Durability			
15/16" Square Lay-in	1	**8184T10_ _ _**	24 x 24 x 1"	Class A	Up to 0.75	•	•	•	•	•	•	•
	1	**8183T10_ _ _**	24 x 48 x 1"	Class A	Up to 0.75	•	•	•	•	•	•	•
	1	**Other Size Panels**	1", 1-1/2", or 2" thickness	Class A	Up to 0.75	•	•	–	•	•	•	•

◆ When specifying or ordering, include the appropriate 3-digit color suffix TNA = Natural, TWH = White (e.g. 8184T10 T W H)
For special sizes, and colors, call TechLine at 1 877 276-7876.
FSC®-certified panels available upon request.

Item No.	Infill Panel Item No.	NRC	+	CAC	=	Total Acoustics[1] NRC + CAC
8184T10_ _ _	–	0.40		–		–
8183T10_ _ _	–	0.40		–		–
8184T10_ _ _	1713	0.90 •		33		–
8183T10_ _ _	1713	0.90 •		33		–

[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+)
BETTER (NRC 0.70-0.75; CAC 35+)
BEST (NRC 0.80+; CAC 35+)

ACCESSORIES



Tectum® Hold-Down Clip
8178T10 – 1" Panel Thickness
8178T20 – 1-1/2" Panel Thickness
Attaches to main beams and cross tees behind lay-in ceilings; helps prevent panel displacement from non-deliberate contact by basketballs and other forces from below the ceiling.

1713 **School Zone™ Fine Fissured Lay-in Acoustical Panel**
24 x 24 x 3/4" White 12 pcs/ctn

SUSPENSION SYSTEMS

15/16"



Prelude® XL® Suspension System

PHYSICAL DATA

Material
FSC Certified panels available upon request.
Cementitious Wood Fiber; FSC®-cerified (COC-003601). For more information about FSC®-certified fire-retardant products, or to view our FSC®-certification letter, contact TechLine at 1 877 276 7876.

Surface Finish
Factory-applied latex paint with Silicate surface coating for abuse resistance. Natural is unpainted.

Fire Performance
Class A per IBC. Flame Spread Index 25 or less and Smoke Developed Index 50 or less when tested in accordance with ASTM E84.

CAN/ULC S102 surface burning characteristics. Flame Spread Index of 25 or less and Smoke Developed Index of 50 or less (painted, face only).

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED®, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Humidity/Sag Resistance
HumiGuard® Plus panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

Installation Considerations
Use caution and wear appropriate hand, eye, and dust mask protection when cutting and installing Tectum® panels. Refer to installation instructions for complete details and cutting recommendations.

Primary (Embodied) Energy
See all LCA information on our EPD's.

Application Considerations
Color variation among panels is common due to the natural characteristics of the wood on White and Natural panels.

Wood fibers may appear orange on Natural colored panels due to the characteristics of the wood.

Design Support
Project management assistance is available by calling TechLine at 1 877 276 7876.

Specification Consideration
FSC Certified panels available upon request.
Attention: For FSC®-certified wood products to maintain their CoC certification, products must be sold to a CoC-certified distributor or directly to the installing contractor. Failure to do so breaks the CoC.

Seismic Restraint
Tectum® Lay-in panels are approved for application in all seismic areas when installed per Armstrong Ceilings Installation Instructions.

Warranty
30-Year Performance Guarantee and Warranty when installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
1" – 1.65 lbs/SF
8183T10 – 4 pcs/ctn
8184T10 – 8 pcs/ctn

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TECTUM®

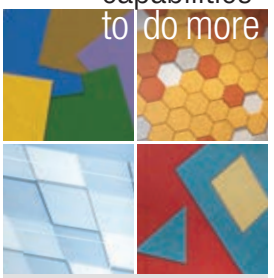
Tegular
coarse texture

TOTAL ACOUSTICS®
Sound Absorption (NRC)
+ Sound Blocking (CAC)



Tectum® Tegular 24" x 48" panels in White with Prelude® XL® 15/16" suspension system

plus...
capabilities
to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Tectum® Tegular ceiling panels provide durable, sustainable, acoustical options for a wide variety of applications.

KEY SELECTION ATTRIBUTES

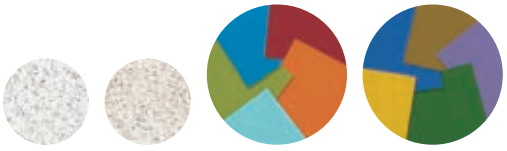
- Get Total Noise Control and design flexibility with Total Acoustics® ceiling panels: NRC + CAC = Total Acoustics® Performance
- Tectum® panels are part of the Sustain™ portfolio and meet the most stringent sustainability standards today (1" panels)
- Durable for heavy use interiors
- Wide variety of color options available, including made-to-order Colorations® and Sherwin-Williams® colors
- Short lead times
- Can be field painted up to six times without impacting acoustic or fire performance

TYPICAL APPLICATIONS

- Gymnasiums
- Auditoriums
- Multi-purpose Spaces
- Corridors
- Education Spaces

COLORS

Due to printing limitations, shade may vary from actual product.



White (TWH)

Natural (TNA)

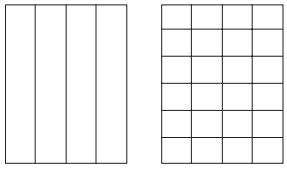
Made-to-order Colorations® Colors Available

Made-to-order Sherwin-Williams® Colors Available

Note: Colorations® colors and panels greater than 1" thick are not included in Sustain™ portfolio.

LINE DESIGN CAPABILITIES

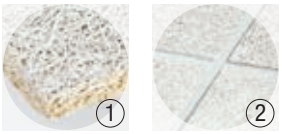
Available through special order.



Vertical Line-Design Panel

Grid Line-Design Panel

DETAILS



1. Tectum® Tegular
2. Tectum® Tegular with Prelude® 15/16" suspension system

Note: Panel edges including visible Tegular edge are unfinished.

TECTUM®

Tegular
coarse texture

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

FSC www.fsc.org FSC® C007626 The mark of responsible forestry (upon request)

For LEED contribution visit armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt; regional materials; design for flexibility; EPD; recyclable/extended producer resp.; biobased materials; FSC (for wood); recycled content; sourcing of raw materials; material ingredient reporting; low emitting/materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance.

ACOUSTICAL INFORMATION

Edge Profile	Suspension Detail Dwg. Pgs. 407-411	Item No. ◆	Dimensions (Inches)	Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Wash	Impact	Scratch	30-Yr Warranty
TECTUM® Tegular (FSC Certified Available Upon Request)					(White Only)	BioBlock	Humi-Guard+		Durability			
15/16" Square Tegular	8	**8186T10_ _ _**	24 x 24 x 1"	Class A	Up to 0.75	•	•	•	•	•	•	•
	8	**8185T10_ _ _**	24 x 48 x 1"	Class A	Up to 0.75	•	•	•	•	•	•	•
	8	**Other Size Panels**	1", 1-1/2", or 2" thickness	Class A	Up to 0.75	•	•	–	•	•	•	•

Item No.	Infill Panel Item No.	NRC	+	CAC	=	Total Acoustics[1] NRC+CAC
8186T10_ _ _	–	0.40		–		–
8185T10_ _ _	–	0.40		–		–
8186T10_ _ _	1713	0.90 •		35 •		**BEST**
8185T10_ _ _	1713	0.90 •		35 •		**BEST**

◆ When specifying or ordering, include the appropriate 3-digit color suffix TNA = Natural, TWH = White (e.g. 8185T10 T W H)
For special sizes, and colors, call TechLine at 1 877 276-7876.
FSC®-certified panels available upon request.

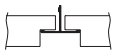
[1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+)
BETTER (NRC 0.70-0.75; CAC 35+)
BEST (NRC 0.80+; CAC 35+)

ACOUSTICAL INFILL PANELS

1713 **School Zone® Fine Fissured Lay-in Acoustical Panel**
24" x 24" x 3/4" White 12 pcs/ctn

SUSPENSION SYSTEMS

15/16"



Prelude® XL® Suspension System

PHYSICAL DATA

Material
FSC Certified panels available upon request.
Cementitious Wood Fiber; FSC®-cerified (COC-003601). For more information about FSC®-certified fire-retardant products, or to view our FSC®-certification letter, contact TechLine at 1 877 ARMSTRONG.

Surface Finish
Factory-applied latex paint with Silicate surface coating for abuse resistance. Natural is unpainted.

Fire Performance
Class A per IBC. Flame Spread Index 25 or less and Smoke Developed Index 50 or less when tested in accordance with ASTM E84.

CAN/ULC S102 surface burning characteristics. Flame Spread Index of 25 or less and Smoke Developed Index of 50 or less (painted, face only).

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED®, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Humidity/Sag Resistance
HumiGuard® Plus panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

Installation Considerations
Use caution and wear appropriate hand, eye, and dust mask protection when cutting and installing Tectum® panels. Refer to installation instructions for complete details and cutting recommendations.

Primary (Embodied) Energy
See all LCA information on our EPDs.

Application Considerations
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Wood fibers may appear orange on Natural colored panels due to the characteristics of the wood.

Specification Consideration
FSC Certified panels available upon request.
Attention: For FSC®-certified wood products to maintain their CoC certification, products must be sold to a CoC-certified distributor or directly to the installing contractor. Failure to do so breaks the CoC.

Seismic Restraint
Tectum Tegular panels are approved for application in all seismic areas when installed per Armstrong Ceilings Installation Instructions.

Warranty
30-Year Performance Guarantee & Warranty when installed with Armstrong® Suspension System. Details at armstrongceilings.com

Weight; Square Feet/Carton
1" – 1.65 lbs/SF
8186T10 – 8 pcs/ctn
8185T10 – 4 pcs/ctn

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INTEGRATED CEILING SOLUTIONS

Integrated Services
Linear Lighting
Light Coves
Downlighting
Shade Pockets
Common Conditions

From one end of the building to the other, these tested integrated ceiling systems are designed to be easy to specify and build. In addition, they provide enhanced safety, performance and aesthetics – from integration of lighting, shade pockets, and air diffusers to elevation changes and acoustical and drywall suspension system options.

armstrongceilings.com/integratedsolutions

Armstrong®
CEILING & WALL SOLUTIONS



INTEGRA
CEILING

INTEGRATED CEILING SOLUTIONS

INTEGRATED CEILING SOLUTIONS
At-a-Glance

you inspire™
solutions center
helping to bring your one-of-a-kind ideas to life

INTEGRATED SERVICES



TECHZONE® Ceiling Systems

Pgs. 337-344



DC FLEXZONE™

Pgs. 345-346



Data Centers

Pgs. 347-348

LIGHTING

Linear Lighting



Acoustical On-Center Linear Lighting

Pg. 349



Drywall Linear Lighting

Pg. 350



FORMATIONS™ Clouds Linear Lighting Kits

Pg. 351



T-Bar LED Linear Lighting

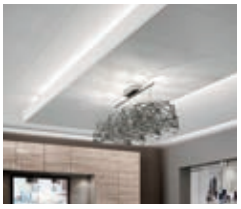
Pg. 352

Coves



Light Coves – Direct AXIOM® Trim

Pg. 355



Light Coves – Indirect AXIOM® Trim

Pg. 356

Downlighting



Recessed Downlighting

Pgs. 353-354

SHADE POCKETS



AXIOM® Building Perimeter System Shade Pockets

Pgs. 357-362



AXIOM® Building Perimeter Shade Pockets (Lutron®-compatible)

Pgs. 363-364

ICON KEY

Icons are used throughout the catalog to help you quickly identify key product attributes.

High Acoustics

Total Acoustics®

Product has both NRC of 0.60 or greater AND CAC of 35 or higher.

Product has AC (Articulation Class) 170 or greater.

Fire Performance

Fire Guard™/Fire Resistive products tested in specific UL floor/ceiling or roof/ceiling design assemblies.

Seismic

Category D, E & F

High Light Reflectance

Light reflectance average of 0.83 or greater. White only.

Humidity/Sag Resistance

HumiGuard® Plus

Superior sag resistance, recommended for areas subject to high humidity, up to standing water and outdoor applications.

High Durability

Washability

Offers superior wash resistance without compromising panel finish integrity, using a washability tester as per ASTM D4828.

Scrubbability

Withstands up to 150 scrub cycles using a scrubbability tester as per ASTM D2486.

Impact Resistance

Excellent resistance to surface impact as per striking ball test.

Scratch Resistance

Excellent resistance to surface scratching, scuffing or chipping as per Hess Rake Test.

Soil Resistance

Excellent resistance to dirt and/or grease; for lasting value and performance as per simulated air diffuser soiling test.

Color Availability

Available in color.

Sustainability

Product is part of Sustain™ Portfolio and meets the most stringent sustainability compliance standards today.

Product is recyclable through the Armstrong Ceilings Recycling Program.

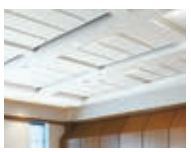
COMMON BUILDING CONDITIONS



Window & Shade Pockets Pg. 366



Transitions Pgs. 367-369



Bulkheads & Soffits Pg. 370



Light Coves & Pockets Pgs. 371-372



Flat & Curved Drywall Ceilings Pg. 373



Interior Glass Partitions Pg. 374



Corridors Pgs. 375-376

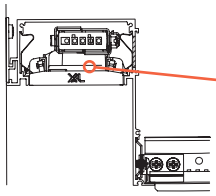
Lutron® is a registered trademark of Lutron Electronics Corporation

Armstrong® CEILING & WALL SOLUTIONS

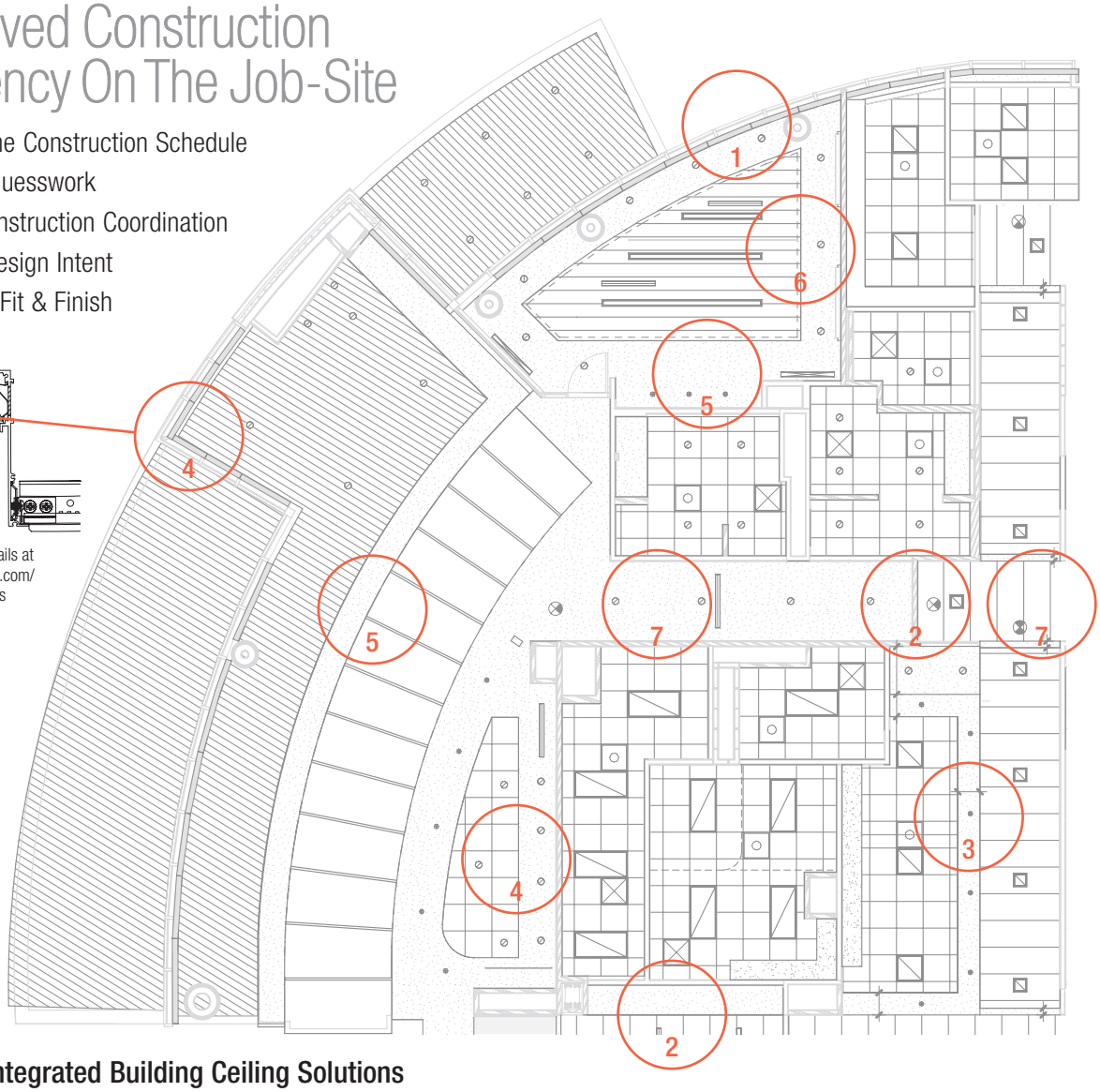
Tackle Common Job-Site Conditions with Integrated Ceiling Solutions

Time & Labor Saving Solutions + Ceiling Construction Expertise = Improved Construction Efficiency On The Job-Site

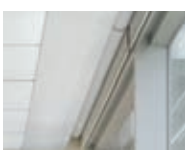
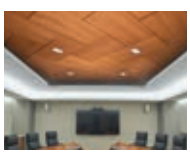
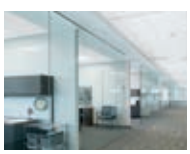
- Minimize the Construction Schedule
- Eliminate Guesswork
- Reduce Construction Coordination
- Maintain Design Intent
- Consistent Fit & Finish



See complete details at armstrongceilings.com/commonconditions



End-to-End Integrated Building Ceiling Solutions

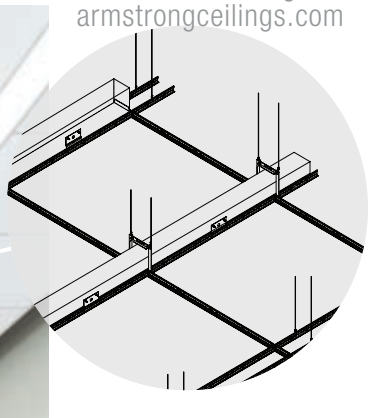
WINDOW & SHADE POCKETS	TRANSITIONS	BULKHEADS & SOFFITS	LIGHT COVES & POCKETS	FLAT & CURVED DRYWALL	INTERIOR GLASS PARTITIONS	CORRIDORS
						
1 Axiom® Building Perimeter Shade Pockets	2 Transition Molding & Axiom® Transitions	3 QuikStix™ Drywall Framing for Soffits	4 Axiom® Direct & Indirect Light Coves	5 Drywall Grid System	6 Axiom® Glazing Channel	7 SingleSpan® for ACT & ShortSpan® for Drywall

TECHZONE® Ceiling Systems

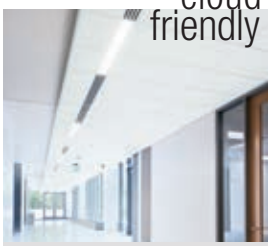
TOTAL ACOUSTICS®
Sound Absorption (NRC)
+ Sound Blocking (CAC)

CAD/Revit® drawings at:
armstrongceilings.com





cloud friendly



See more photos at:
armstrongceilings.com/photogallery
SEARCH: techzone

Optima® 48" x 48" Tegular field panels, Optima Lay-in TechZone® panels with Suprafine® XL® 9/16" suspension system (Pgs. 373-374)

Organize lighting, air diffusers/returns, sprinkler systems into 4", 6", or 12" wide technical zones.

KEY SELECTION ATTRIBUTES

- A clean, monolithic look using standard ceiling panels and suspension system
- Now many options are part of the Sustain™ Ceiling Systems portfolio, meeting the most stringent sustainability compliance standards today
- Available with Lyra® PB, Optima®, Calla®, Ultima®, MetalWorks™ and WoodWorks® panels
- A range of compatible fixtures from partner companies that are prequalified for fit and finish. Visit armstrongceilings.com/techzone for links to partners for lighting, chilled beams, diffusers and sprinklers

CEILING PANEL OPTIONS

Warm wood, cool metal, bright white – the choice is yours.

CALLA®* OR LYRA® PB*

- Smooth drywall-like ceiling visual
  - Coordinates with Blizzard White suspension system and Axiom® trim
  - High light reflectance
  - High durability
- Total Acoustics® performance
  - Reduces reverberation
  - Enhances speech privacy
  - Calla® – 0.85 NRC, 35 CAC
  - Lyra® PB High CAC – 0.95 NRC, 42 CAC

WOODWORKS®

- Warm, rich FSC® certified wood in five standard finishes
- Total Acoustics Performance (NRC + CAC) available with select perforated ceiling panels installed with acoustical infill panel

OPTIMA® or ULTIMA®*

- Non-directional DuraBrite® scrim surface for:
  - Excellent durability
  - Superior light reflectance to enhance daylighting and save energy
- Total Acoustics performance:
  - Reduces noise reverberation
  - Enhances speech privacy
  - Ultima – 0.75 NRC, 35 CAC
- Outstanding noise reduction
  - Optima – 0.90+

METALWORKS™*

- Three standard finishes for field and technical panels
- Total Acoustics Performance (NRC + CAC) available with select perforated ceiling panels installed with acoustical infill panel
- Exceptionally durable
  - Washable
  - Scrubbable
  - Soil-resistant
  - Impact-resistant

*Part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today

FSC® is a registered trademark of FSC Forest Stewardship Council, A.C., license code FSC-C007626
Revit® is a registered trademark of Autodesk, Inc.

Armstrong® CEILING & WALL SOLUTIONS

TECHZONE® Ceiling Systems

Designing Your TechZone® Ceiling

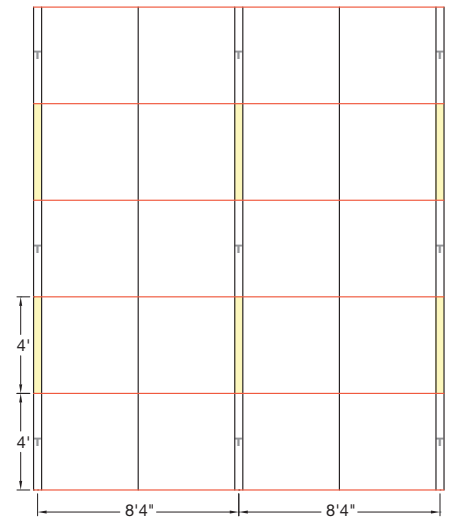


TechZone® Ceiling System with Optima® 48" x 48" field panels and 6" x 48" technical panels

STEP 1: DESIGN YOUR LAYOUT

See all 50+ Layouts at armstrongceilings.com/techzone
See our lighting options/partners (Pg. 344), if that helps determine your layout module

Ceiling Module 4'
On-Center Spacing 8'4"
Field Panel 48" x 48"



KEY: Main Runners | Cross Tees | Lights (suggested location)

STEP 2: CHOOSE YOUR FIELD PANELS*

LYRA® PB†, CALLA®†, OPTIMA®, OR ULTIMA®†

White (WH)

WOODWORKS®†

Natural Variations™
(Real Wood Veneers)

Beech (NBE) | Maple (NMP) | Light Cherry (NLC) | Dark Cherry (NDC)

Bamboo
(Rapidly Renewable)

Patina (BAP)

Perforation Options
(1:2 scale shown)

Unperforated (W1)

Round Straight Rg 6006 (W2) (field panels only)

METALWORKS™†

Whitelume (WHA) | Silverlume (SIA) | Gun Metal (MYA)

Unperforated (M1)

Pattern 2 Rd 1612 (M15) (field panels only)

† Total Acoustics® ceiling panels offer an ideal combination of noise reduction and sound-blocking performance in one product.

TECHZONE® Ceiling Systems

Designing Your TechZone® Ceiling

EDGE DETAILS



Ultima®, Optima®, Lyra® PB, and Lyra® PB High CAC
Square
Lay-in



Ultima and Calla®
Beveled
Tegular



Optima, Lyra PB, and Lyra® PB High CAC
Square
Tegular



Optima
Vector®



MetalWorks™
Unperforated
Square
Tegular



MetalWorks
Unperforated
Vector®
Technical
Panels only



MetalWorks
Square
Tegular



WoodWorks®
Square
Tegular

FIELD PANEL OPTIONS

VISUAL SELECTION

PERFORMANCE Dots represent high level of performance.

Description	Acoustics NRC	+	Acoustics CAC	=	Total Acoustics[1] NRC + CAC	Articulation Class AC	Fire Performance	Light Reflect (White Only)	Sag Resist Humi-Guard+	Wash (Durability)	Scrub (Durability)	Impact (Durability)	Scratch (Durability)	Soil (Durability)	Recycled Content	Recycle Program	30-Yr Warranty
Lyra PB	0.95 ●		N/A		–	190 ●	Class A	0.88 ●	●	●	–	●	●	●	71%	●	●
Lyra® PB High CAC	0.95 ●		42 ●		–	200 ●	Class A	0.88 ●	●	●	–	–	●	●	59%	●	●
Optima® 1" thick panels	0.95 ●		N/A 26*		–	190 ●	Class A	0.90 ●	●	●	–	●	●	●	71%	●	●
Optima 3/4" thick panels	0.90 ●		N/A		–	180 ●	Class A	0.90 ●	●	●	–	●	●	●	71%	●	●
Calla®	0.85 ●		35		**BEST**	170 ●	Class A	0.86 ●	●	●	–	●	●	●	Up to 76%	●	●
Ultima®	0.75 ●		35 ●		**BETTER**	N/A	Class A	0.90 ●	●	●	–	●	●	●	Up to 80%	●	●
Ultima (items 1905, 1929)	0.75 ●		35 ●		**BETTER**	N/A	Class A	0.90 ●	Std	●	–	●	●	●	Up to 80%	●	1-Yr
WoodWorks® Unperforated	N/A		38 ●		–	N/A	Class A	N/A	Std	–	–	–	–	–	92%	–	1-Yr
WoodWorks W2 Perforated with infill panel	0.40		28		–	N/A	Class A	N/A	Std	–	–	–	–	–	92%	–	1-Yr
MetalWorks™ Unperforated	0.40		28		–	N/A	Class A	0.89 ●	●	●	●	●	–	●	25%	–	1-Yr
MetalWorks M15 Perforated	0.70 ●		38† ●		**BETTER**	N/A	Class A	0.77	●	●	●	●	–	●	25%	–	1-Yr
MetalWorks M15 Perforated with infill panel	0.90 ●		N/A		–	N/A	Class A	0.77	●	●	●	●	–	●	25%	–	1-Yr

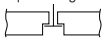
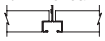
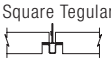
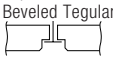
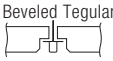
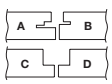
† With Item #747 mineral fiber backing * With CAC backing [1] Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)

Suspension Dimension	Edge Profile	Dimensions	Lyra® PB	Optima®	Calla®	Ultima®	WoodWorks® Unperforated	WoodWorks Perforated	MetalWorks™ Unperforated	MetalWorks Perforated
			Item No.							
15/16"	Prelude® XL® Square Lay-In	20" x 60"		3156††						
		24" x 24"	8732PB	3152††/3150**		1910†				
		24" x 48"		3153††/3151**		1913†				
		24" x 60"		3164		1984				
		24" x 72"	8450PB	3161**††		1980†				
		24" x 96"		3162**††						
		30" x 30"	8452PB	3158††		1905†				
		30" x 60"	8453PB	3157††						
		48" x 48"	8370PB	3160††/3160PB						
		48" x 96"		3154						

** These panels are 3/4" thick.
†† Environmental Product Declaration EPD

Armstrong® CEILING & WALL SOLUTIONS

FIELD PANELS

Suspension Dimension	Edge Profile	Dimensions	Lyra® PB	Optima®	Calla®	Ultima®	WoodWorks® Unperforated	WoodWorks Perforated	MetalWorks™ Unperforated	MetalWorks Perforated
			Item No. ◆							
15/16"	Prelude® XL® Square Tegular 	20" x 60"		3278†						
		24" x 24"	8360PB, 8730PB	3250†						
		24" x 48"	8352PB	3252†						
		24" x 72"		3281†						
		24" x 96"		3282†						
		30" x 30"		3258†						
		30" x 60"		3286†						
		48" x 48"	8355PB	3255†						
15/16"	Prelude XL Beveled Tegular 	24" x 24"			2822	1911†				
		24" x 48"			2823	1914†				
		24" x 60"				1985				
		24" x 72"				1981†				
9/16"	Suprafine® XL® Square Tegular 	12" x 48"	8377PB	3290			6484W1 _ _ _	6484W2 _ _ _	6643M1 _ _ _	6643M15 _ _ _
		20" x 54"		3276†						
		20" x 56"		3266†						
		20" x 60"		3277†						
	Silhouette® XL Square Tegular 1/4" Reveal 	21" x 24"		3279†						
		24" x 24"	8361PB, 8731PB	3251†			5406W1 _ _ _	5406W2 _ _ _	6641M1 _ _ _	6641M15 _ _ _
		24" x 42"		3280†			6510W1 _ _ _	6510W2 _ _ _	6644M1 _ _ _	6644M15 _ _ _
	Interlude® XL® Square Tegular 	24" x 48"	8357PB	3257†			6486W1 _ _ _	6486W2 _ _ _	6642M1 _ _ _	6642M15 _ _ _
		24" x 60"	8365PB	3265†						
		24" x 72"	8381PB	3261†						
		24" x 96"	8382PB	3262†						
		27" x 30"		3283†			6512W1 _ _ _	6512W2 _ _ _	6645M1 _ _ _	6645M15 _ _ _
		28" x 30"	8461PB	3268†						
		28" x 60"		3269†						
		30" x 30"	8359PB	3259†			6511W1 _ _ _	6511W2 _ _ _	6646M1 _ _ _	6646M15 _ _ _
		30" x 54"		3284†						
		30" x 56"	8466PB	3289†						
		30" x 60"	8385PB	3285†						
		42" x 48"	8462PB	3287†						
		44" x 48"	8463PB	3288†						
		48" x 48"		3256†						
		48" x 54"		3249†						
9/16"	Suprafine XL Beveled Tegular 	24" x 24"			2824	1912†				
		24" x 48"			2825	1915†				
	Silhouette® XL® Beveled Tegular 	24" x 60"				1986				
		24" x 72"				1982†				
	Interlude® XL® Beveled Tegular 	30" x 30"				1905†				
		30" x 54"				1929				
15/16"	Vector® with 1/4" Reveal 	24" x 24"		3900						
		24" x 48"		3908						
		24" x 72"		3906						
		24" x 96"		3907						
		30" x 30"		3904						
		48" x 48"		3909						

◆ Add 3-letter color suffix to item number when specifying or ordering (e.g. 6484W1 N M P) WoodWorks Field Panel Color Choices: Beech (NBE), Maple (NMP), Light Cherry (NLC), Dark Cherry (NDC), Bamboo Patina (BAP); MetalWorks Field Panel Color Choices: Whitelume (WHA), Silverlume (SIA), Gun Metal (MYA)

† Environmental Product Declaration EPD

STEP 3: CHOOSE YOUR TECHNICAL PANEL

Include finish, and perforation if applicable for your selected layout.

LYRA® PB*, OPTIMA®, OR ULTIMA®*

White (WH)

*Part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today

WOODWORKS®

Natural Variations™ (Real Wood Veneers)

Maple (NMP) | Light Cherry (NLC) | Dark Cherry (NDC)

Bamboo (Rapidly Renewable)

Patina (BAP)

Perforation Options

Unperforated (W1)

METALWORKS™

Whitelume* (WHA) | Silverlume* (SIA) | Gun Metal* (MYA) | Black (BL)

Unperforated (M1)

TECHNICAL PANELS

Suspension Dimension	Edge Profile	Dimensions	Lyra® PB	Optima®	Ultima®	WoodWorks® Unperforated	MetalWorks™ Unperforated
			Item No. ◆				
15/16"	Prelude® XL® Square Lay-In	4" x 48"	8334PB	1462			7261M1WHA
		4" x 60"	8335PB	1463			7262M1WHA
		6" x 48"	8336PB	1400†	1420		7255M1 _ _ _
		6" x 60"	8337PB	1404†	1425		7256M1 _ _ _
15/16"	Prelude XL Square Tegular	4" x 48"					7259M1WHA
		4" x 60"					7260M1WHA
		6" x 48"		1402†			
		6" x 60"		1406†			
		12" x 24"		3264			
15/16"	Prelude XL Beveled Tegular	6" x 48"			1422		
		12" x 24"			1917†		
9/16"	Suprafine® XL® Square Tegular*	4" x 48"	8344PB	1410			7251M1
		4" x 60"	8345PB	1411			7252M1
	Silhouette® XL® Square Tegular	6" x 6"		1412†		6519W1_ _ _	6647M1_ _ _
		6" x 12"		1413†			6648M1_ _ _
		6" x 42"		1415†			
	Interlude® XL® Square Tegular	6" x 48"	8346PB	1403†		6513W1_ _ _	6649M1_ _ _
		6" x 54"		1417†			
		6" x 60"	8347PB	1407†		6514W1_ _ _	6650M1_ _ _
		6" x 96"		1409†			
		12" x 24"		3263			
		12" x 48"		3290			
		12" x 96"		1414†			
9/16"	Suprafine XL Beveled Tegular	6" x 48"			1423		
	Silhouette XL Beveled Tegular	6" x 60"			1427		
	Interlude XL Beveled Tegular	12" x 24"			1916†		
15/16"	Vector® with 1/4" Reveal (A, B, C, D)	6" x 48"		1466			7257M1WHA
		6" x 60"					7258M1WHA
		6" x 96"		1467			

◆ When specifying or ordering, add 3-letter color suffix to item number (e.g. 6484W1 N M P) WoodWorks Field & Technical Panel Color Choices: Beech (NBE), Maple (NMP), Light Cherry (NLC), Dark Cherry (NDC), Bamboo Patina (BAP); MetalWorks Field & Technical Panel Color Choices: Whitelume (WHA), Silverlume (SIA), Gun Metal (MYA)

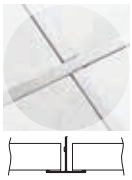
† Environmental Product Declaration EPD

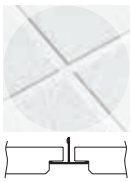
STEP 4: CHOOSE A COMPATIBLE SUSPENSION SYSTEM

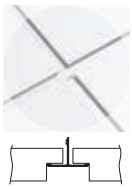
Item No.	Description
Prelude® XL® – 15/16" Suspension System	
7300	144" ID Prelude XL Main Beam
7301	144" HD Prelude XL Main Beam
7306	132" HD Prelude XL Main Beam
XL7304	4" Prelude XL Cross Tee
XL7306	6" Prelude XL Cross Tee
XL7328	24" Prelude XL Cross Tee
XL7340	48" ID Prelude XL Cross Tee
XL7341	48" HD Prelude XL Cross Tee
XL7358	60" Prelude XL Cross Tee
XL7378	30" Prelude XL Cross Tee
XL7380	96" Prelude XL Cross Tee
XL7390	72" Prelude XL Cross Tee
Suprafine® XL® – 9/16" Suspension System	
7500	144" ID Suprafine XL Main Beam
7501	144" HD Suprafine XL Main Beam
7504	120" HD Suprafine XL Main Beam
7505	100" HD Suprafine XL Main Beam
7507	144" HD Suprafine XL Main Beam
7508	132" HD Suprafine XL Main Beam
7512	120" HD Suprafine XL Main Beam
7536	144" HD Suprafine XL Main Beam
7588	88" HD Suprafine XL Main Beam
XL7504	4" Suprafine XL Cross Tee
XL7506	6" Suprafine XL Cross Tee
XL7510	12" Suprafine XL Cross Tee
XL7561	21" Suprafine XL Cross Tee
XL7520	24" Suprafine XL Cross Tee
XL7567	27" Suprafine XL Cross Tee
XL7528	28" Suprafine XL Cross Tee
XL7570	30" Suprafine XL Cross Tee
XL7562	42" Suprafine XL Cross Tee
XL7563	44" Suprafine XL Cross Tee
XL7540	48" ID Suprafine XL Cross Tee
XL7549	48" HD Suprafine XL Cross Tee
XL7564	54" Suprafine XL Cross Tee
XL7569	54" Suprafine XL Cross Tee
XL7556	56" Suprafine XL Cross Tee
XL7558	60" Suprafine XL Cross Tee
XL7568	66" Suprafine XL Cross Tee
XL7590	72" Suprafine XL Cross Tee
XL7580	96" Suprafine XL Cross Tee
Suprafine XL – Colors - 9/16" Suspension System ◆	
TZ7501 _ _	120" HD Suprafine Main Beam
TZ7504 _ _	144" HD Suprafine Main Beam*
TZXL7504 _ _	4" Suprafine XL Cross Tee
TZXL7506 _ _	6" Suprafine XL Cross Tee
TZXL7510 _ _	12" Suprafine XL Cross Tee
TZXL7520 _ _	24" Suprafine XL Cross Tee
TZXL7567 _ _	27" Suprafine XL Cross Tee
TZXL7570 _ _	30" Suprafine XL Cross Tee
TZXL7562 _ _	42" Suprafine XL Cross Tee
TZXL7541 _ _	48" Suprafine XL Cross Tee
TZXL7564 _ _	54" Suprafine XL Cross Tee
TZXL7556 _ _	56" Suprafine XL Cross Tee
TZXL7558 _ _	60" Suprafine XL Cross Tee
TZXL7568 _ _	66" Suprafine XL Cross Tee

◆ When specifying or ordering, add 2-letter color suffix to item number

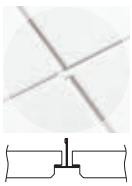
* Routs 6" O.C.

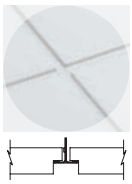

PRELUDE
15/16" Square Lay-in

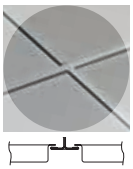

PRELUDE
15/16" Beveled Tegular


PRELUDE
15/16" Square Tegular


SUPRAFINE XL
9/16" Square Lay-in


SUPRAFINE XL
9/16" Beveled Tegular

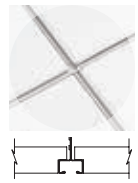

SUPRAFINE XL
9/16" Square Tegular


SUPRAFINE XL
9/16" Metal
Square Tegular

Item No.	Description
Interlude® XL® HRC – 9/16" Suspension System	
6100HRC	144" ID Interlude XL HRC Main Beam
6101HRC	144" HD Interlude XL HRC Main Beam
6121HRC	144" ID Interlude XL HRC Main Beam
6121AHRC	144" HD Interlude XL HRC Main Beam
6122HRC	120" HD Interlude XL HRC Main Beam
6123HRC	88" HD Interlude XL HRC Main Beam
6127HRC	120" HD Interlude XL HRC Main Beam
6132HRC	132" HD Interlude XL HRC Main Beam
6187HRC	100" HD Interlude XL HRC Main Beam
6197HRC	144" HD Interlude XL HRC Main Beam
XL6104HRC	4" Interlude XL HRC Cross Tee
XL6106HRC	6" Interlude XL HRC Cross Tee
XL6110HRC	12" Interlude XL HRC Cross Tee
XL6161HRC	21" Interlude XL HRC Cross Tee
XL6120HRC	24" Interlude XL HRC Cross Tee
XL6167HRC	27" Interlude XL HRC Cross Tee
XL6128HRC	28" Interlude XL HRC Cross Tee
XL6170HRC	30" Interlude XL HRC Cross Tee
XL6162HRC	42" Interlude XL HRC Cross Tee
XL6163HRC	44" Interlude XL HRC Cross Tee
XL6140HRC	48" Interlude XL HRC Cross Tee
XL6164AHRC	54" Interlude XL HRC Cross Tee
XL6169HRC	54" Interlude XL HRC Cross Tee
XL6156HRC	56" Interlude XL HRC Cross Tee
XL6150HRC	60" Interlude XL HRC Cross Tee
XL6168HRC	66" Interlude XL HRC Cross Tee
XL6190HRC	72" Interlude XL HRC Cross Tee
XL6180HRC	96" Interlude XL HRC Cross Tee
Silhouette® XL® 1/4" Reveal – 9/16" Suspension System	
7611	144" HD Silhouette XL Main Beam
7613	108" HD Silhouette XL Main Beam
7619	78" Silhouette XL Main Beam
7621	132" HD Silhouette XL Main Beam
7622	102" HD Silhouette XL Main Beam
7626	120" HD Silhouette XL Main Beam
7637	96" HD Silhouette XL Main Beam
7638	126" HD Silhouette XL Main Beam
7639	126" HD Silhouette XL Main Beam
XL7604	4" Silhouette XL Cross Tee
XL7606	6" Silhouette XL Cross Tee
XL7621	21" Silhouette XL Cross Tee
XL7620	27" Silhouette XL Cross Tee
XL7670	30" Silhouette XL Cross Tee
XL7663	44" Silhouette XL Cross Tee
XL7640	48" Silhouette XL Cross Tee
XL7645	48" Silhouette XL Cross Tee – center notched both sides
XL7646	48" Silhouette XL Cross Tee – center notched one side
XL7652	54" Silhouette XL Cross Tee
XL7653	56" Silhouette XL Cross Tee
XL7651	60" Silhouette XL Cross Tee – notched one side at 20" and 40"
XL7654	60" Silhouette XL Cross Tee – notched both sides at 20" and 40"
XL7655	60" Silhouette XL Cross Tee – center notched both sides
XL7656	60" Silhouette XL Cross Tee – center notched one side
XL7690	72" Silhouette XL Cross Tee
XL7680	96" Silhouette XL Cross Tee


INTERLUDE XL HRC
9/16" Beveled Tegular


INTERLUDE XL HRC
9/16" Square Tegular

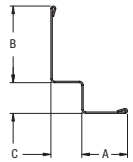

SILHOUETTE XL
9/16" Square Tegular
(1/4" reveal)

STEP 5: CHOOSE YOUR PERIMETER TRIM, MOLDINGS, AND ACCESSORIES

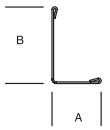
WALL-TO-WALL INSTALLATION

Select Perimeter Angle at Wall

Tegular, Lay-in, and Vector® Shadow Molding
7875 – A-3/4", B-15/16", C-1/2"
7877 – A-15/16", B-15/16", C-1/4"
7897 – A-15/16", B-15/16", C-1/2"



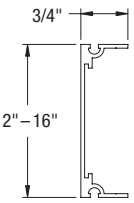
Tegular, Lay-in, and Vector Angle Molding
7800 – A-7/8", B-7/8"
7804 – A-9/16", B-7/8"
7808 – A-2", B-2"



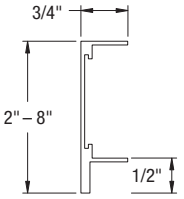
CLOUD / FLOATING INSTALLATION

Select Perimeter Trim at Floating Edge

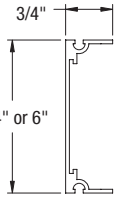
Axiom® Classic Trim – straight or curved



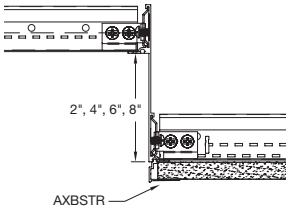
Axiom® Vector® Trim – straight or curved



WoodWorks® Trim (with aluminum substrate) – straight or curved



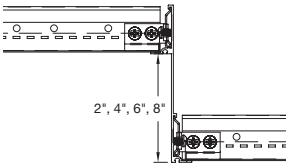
ELEVATION OR MATERIAL TRANSITIONS IN THE CEILING PLANE



Axiom Transitions
Acoustical Ceiling to Drywall Elevation Changes

Curved AXTRXCUR

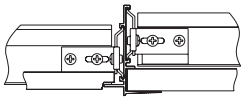
Straight AXTRXSTR



Axiom Transitions
Acoustical Ceiling to Acoustical Ceiling Elevation Changes

Curved AXTRXCUR

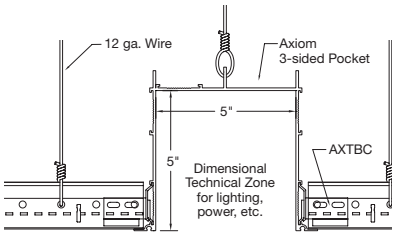
Straight AXTRXSTR



Axiom Transitions
Acoustical Ceiling to Drywall in Same Plane

Curved AXTRTECUR

Straight AXTRTESTR

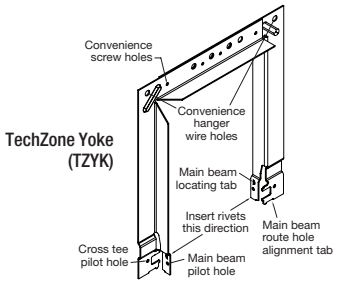


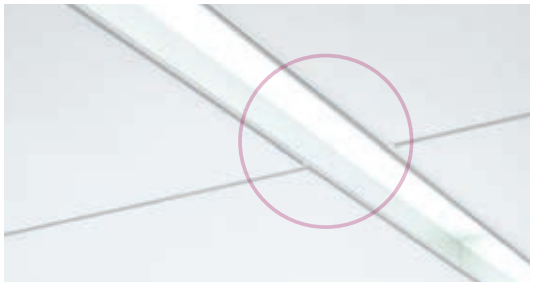
Axiom Dimensional TechZone

Straight AXP3552

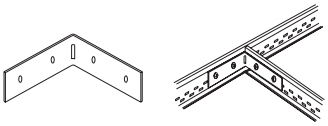
TECHZONE® YOKE ALLOWS TRUE CONTINUOUS LIGHT

- Create a sleek ceiling design with uninterrupted ribbons of light
- Alternate continuous lights and diffusers with other services for a monolithic, uncluttered visual
- Easy installation
- Seismic tested
- Ability to use with 4" and 6" configurations

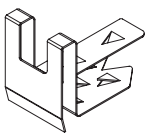




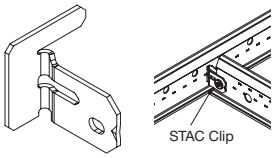
MOLDING & ACCESSORIES



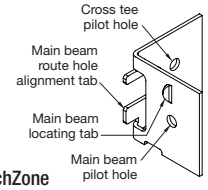
Cross Tee Adapter Clip (XTAC)
Used to attach field-cut cross tees to main beams.



Stabilizer Clip, Item 435, for Optima®
Recommended for panels 5' and greater in length. Ordered separately.
NOTE: Panels 5' up to 8' – One clip installed near the midpoint of each long edge. Panels 8' – Two clips installed at one-third points of each long edge.



STAC Clip (STAC)
Single tee attachment clip for creating playful designs with off module lighting.
Seismic tested.



TechZone Bracing Clip (TZBC)
Used to connect cross tees to the main beam of the continuous technical zone when no yoke is present.

Armstrong® CEILING & WALL SOLUTIONS

TECHZONE® Ceiling Systems

Lighting Partners

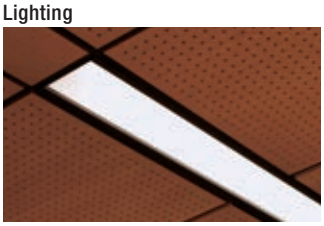
PRODUCT MATRIX

Product Mix	Vector® Fixtures 6" Linear	Square Lay-in and Tegular Fixtures 6" Continuous	Square Lay-in and Tegular Fixtures 6" Linear	Square Lay-in and Tegular Fixtures 4" Continuous	Square Lay-in and Tegular Fixtures 4" Linear	Chilled Beams	Diffusers	Sprinklers
Carnes®							•	
FlexHead®								•
Focal Point®		•	•		•			
Kurt Versen		•	•					
Linear Lighting		•	•					
Litecontrol		•	•		•			
Mark Architectural Lighting™			•					
Neo-Ray™		•	•					
Philips Lightolier®		•	•	•	•			
Pinnacle® Architectural Lighting	•	•	•	•	•			
Price®							•	
Titus®							•	
TROX®						•		
Selux					•			

LIGHTING AND COLOR OPTIONS

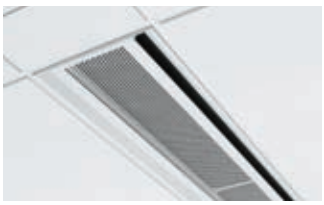
Lighting & Color Options	12" Wide Technical Zone Configuration for Chilled Beams		6" Wide Technical Zone Configuration		6" Wide Technical Zone Configuration for Continuous Lighting and Air		4" Wide Technical Zone Configuration
	Black, Gun Metal, Silver Grey	White only	Black, Gun Metal, Silver Grey	White only	Black, Gun Metal, Silver Grey	White only	White only
Lighting							
Corelite™							•
Focal Point®		•		•		•	•
Kurt Versen		•		•			
Linear Lighting		•		•		•	
Litecontrol		•	•	•	•	•	•
Mark Architectural Lighting™		•		•			
Neo-Ray™		•	•	•	•	•	
Philips Lightolier®		•		•			
Pinnacle® Architectural Lighting			•	•	•	•	•
RSA Lighting				•			
Selux							•
Chilled Beams							
TROX®	•	•					
Diffusers							
Carnes®		•		•			
Price®		•	•	•	•	•	•
Titus®		•		•			•
Flexble Sprinklers							
FlexHead®		•		•		•	•

Lighting



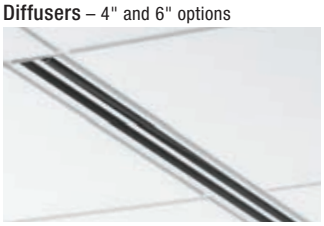
TechZone-compatible Linear Light fixtures

Chilled Beam – 12"



TechZone-compatible Chilled Beams

Diffusers – 4" and 6" options



TechZone-compatible Diffusers

Sprinklers – for 4" and 6" technical zones



TechZone-compatible Sprinkler Systems

All product names are trademarks, registered trademarks, or service marks of their respective owners.

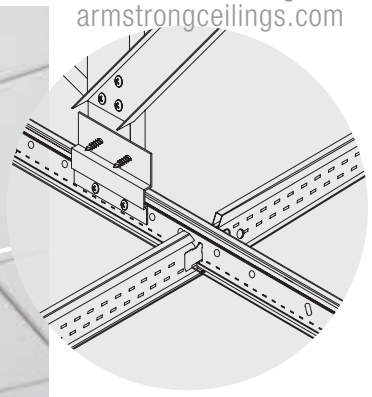
DC FLEXZONE™

Suspension System

CAD/Revit® drawings at:
armstrongceilings.com



DC FlexZone™ Silhouette® 9/16" suspension system with Focal Point® light fixtures





See more photos at:
armstrongceilings.com/photogallery
SEARCH: dc flexzone

This “power distribution platform” distributes safe, low-voltage DC current through a ceiling suspension system.

KEY SELECTION ATTRIBUTES

- Can be an integral part of a net zero energy-building strategy providing more efficient lighting and direct use of on-site renewable energy
- Provides plug-and-play flexibility throughout the building
- Main beams only with integrated electrical conductors are capable of distributing power to electrical devices
- UL Listed and EMerge Alliance® Registered for use in 24VDC power distribution systems
- Installed acoustically as part of the overall ceiling system, with electrical connections to suspension system made by qualified electricians
- High recycled content, galvanized steel for durability, and sustainable design
- Seismic performance with heavy-duty load rating meets the most stringent codes

DC Silhouette®

- DC circuits available on top bulb and in slot reveal
- Integrates with standard cross tees, moldings, and accessories for Silhouette 1/4" Reveal suspension system
- Crisp reveal installs virtually flush with Tegular ceiling panel surface for monolithic appearance

DC Suprafine®

- Single DC circuit available on top bulb only
- Integrates with standard cross tees, moldings, and accessories for Suprafine® and Suprafine HRC suspension systems
- Exposed Tee design combines superior durability and stability with a narrow suspension system face for a refined appearance

INTEGRATION PARTNER

AUDACY
ADVANCED WIRELESS SOLUTIONS BY IDEAL

See complete partner list at
armstrongceilings.com/dcflexzone

DC FLEXZONE™

Suspension System

UP TO 54% MAIN BEAMS 61% BORDER MAIN BEAMS 52% CROSS TEES RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®

energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
	✓	✓	✓	✓			✓	✓				

▲ LOCATION DEPENDENT

VISUAL SELECTION

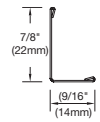
PERFORMANCE SELECTION Dots represent high level of performance.

Grid Face	Item No.	Description	Dimensions (Inches)	Hanger Spacing* Lbs./Lin. Ft. 4 Ft.	Hanger Spacing* Lbs./Lin. Ft. 5 Ft.	Seismic Category DEF	Total Recycled Content	Total Post-consumer Content	PCS/ Ctn.	LFT/ Ctn.
DC FlexZone™ Suprafine® Main Beams										
9/16"	**DC750106**	6' HD Main Beam, Routs 12" OC, First Route 6" from end	72 x 9/16 x 1-11/16"	16.83	8.69	•	54%	45%	10	60
9/16"	**DC750108**	8' HD Main Beam, Routs 12" OC, First Route 6" from end	96 x 9/16 x 1-11/16"	16.83	8.69	•	54%	45%	10	80
9/16"	**DC750110**	10' HD Main Beam, Routs 12" OC, First Route 6" from end	120 x 9/16 x 1-11/16"	16.83	8.69	•	54%	45%	10	100
9/16"	**DC750112**	12' HD Main Beam, Routs 12" OC, First Route 6" from end	144 x 9/16 x 1-11/16"	16.83	8.69	•	54%	45%	10	120
DC FlexZone™ Suprafine® Non-powered Border Main Beams										
9/16"	**750106**	6' HD Border Main Beam, Routs 12" OC, First Route 6" from end	72 x 9/16 x 1-11/16"	16.83	8.69	•	61%	50%	20	120
DC FlexZone™ Silhouette® Main Beams – 1/4" Reveal										
9/16"	**DC760106**	6' HD Main Beam, Routs 12" OC, Notched 24" OC	72 x 9/16 x 1-15/16 x 1/4"	16.44	8.49	•	44%	37%	10	60
9/16"	**DC760108**	8' HD Main Beam, Routs 12" OC, Notched 24" OC	96 x 9/16 x 1-15/16 x 1/4"	16.44	8.49	•	44%	37%	10	80
9/16"	**DC760110**	10' HD Main Beam, Routs 12" OC, Notched 24" OC	120 x 9/16 x 1-15/16 x 1/4"	16.44	8.49	•	44%	37%	10	100
9/16"	**DC760112**	12' HD Main Beam, Routs 12" OC, Notched 24" OC	144 x 9/16 x 1-15/16 x 1/4"	16.44	8.49	•	44%	37%	10	120
Non-powered Border Main Beams										
9/16"	**760106**	6' HD Border Main Beam, Routs 12" OC, Notched 24" OC	72 x 9/16 x 1-3/4 x 1/4"	16.44	8.49	•	61%	50%	20	120

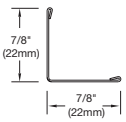
* Simple Span

DC FLEXZONE™ SUPRAFINE®

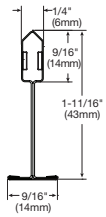
Details and Suspension System Intersection



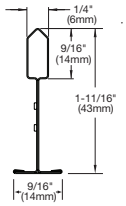
9/16" Hemmed Angle Molding (7804HRC)



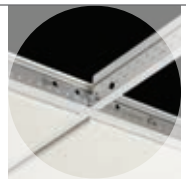
7/8" Hemmed Angle Molding (7800HRC)**



DC FLEXZONE SUPRAFINE Main Beam



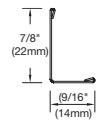
SUPRAFINE Cross Tee



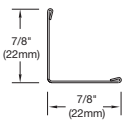
** For seismic zones, use 7800HRC with BERC2 clip

DC FLEXZONE™ SILHOUETTE®

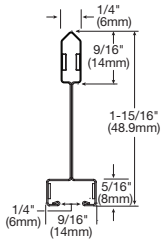
Details and Suspension System Intersection



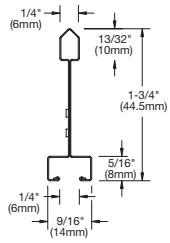
9/16" Hemmed Angle Molding (7804HRC)



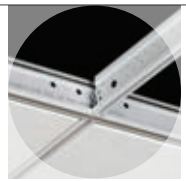
7/8" Hemmed Angle Molding (7800HRC)**



DC FLEXZONE SILHOUETTE Main Beam



SILHOUETTE Cross Tee



** For seismic zones, use 7800HRC with BERC2 Clip

ACCESSORIES

Item No.	Description	Dimensions (Inches)	Pcs./Ctn
DCINS	Insulator Cap	2"	100
BACG90A	Brace Attachment Clip		250
UPC	Universal Partition Clip		200

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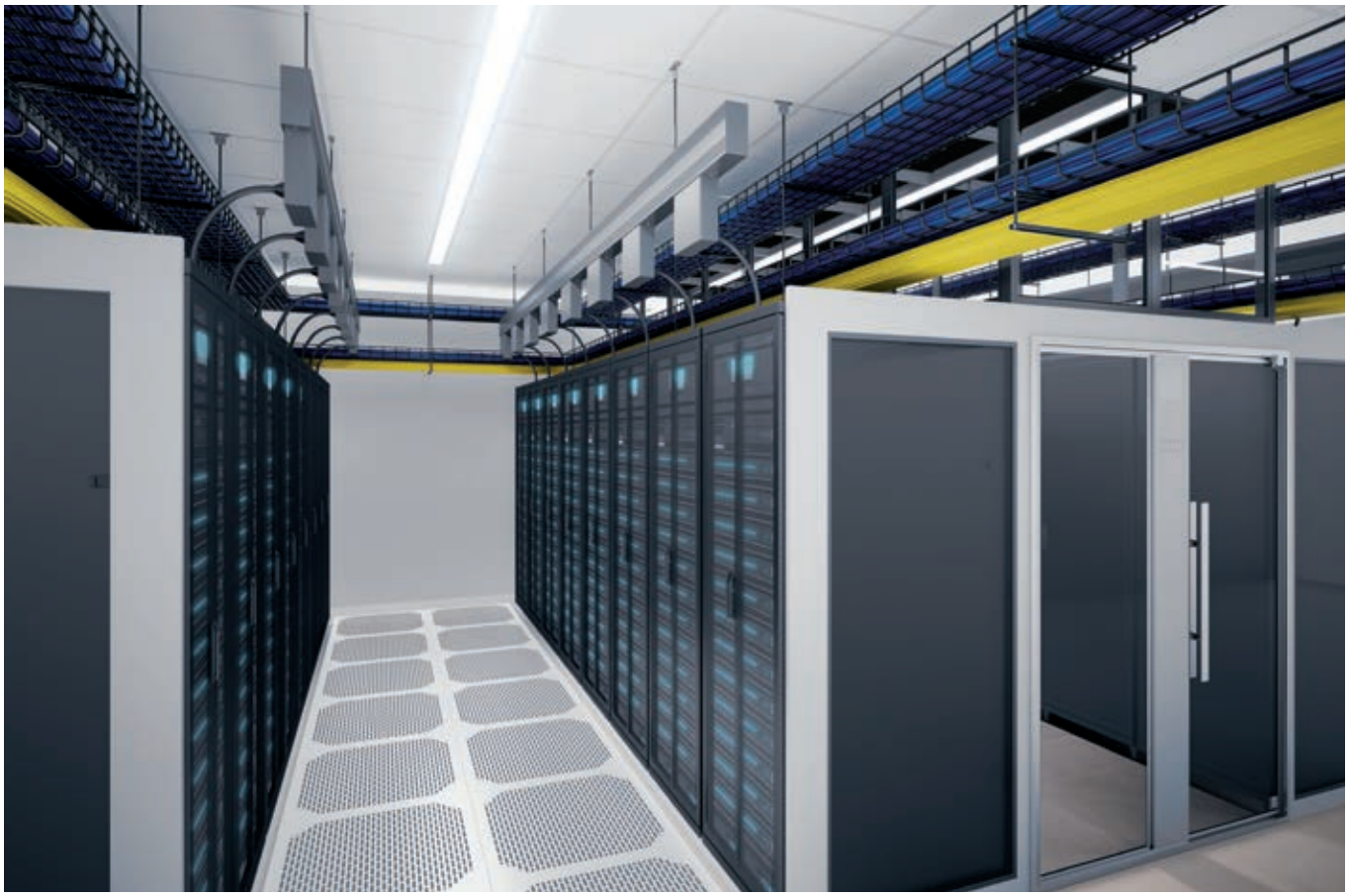
EMerge Alliance® is a registered trademark of the EMerge Alliance
Revit® is a registered trademark of AutoDesk, Inc.

Data Center Ceiling Systems



Complete assortment of integrated ceiling systems for Data Centers.

KEY SELECTION ATTRIBUTES

- Armstrong® Data Center ceiling systems offer:
  - Improved air flow management
  - Load-carrying capacity, adaptability

Prelude® XL Max™ suspension system

- Provides maximum load carrying capacity
- 3/8" threaded rod support
- Reconfigurable hanging clips for cable tray and electrical distribution

Armstrong Ultima® Health Zone™ & Clean Room™ ceiling systems

- Soil Resistant
- Excellent sound blocking (CAC 35-38)

For details and specifications for Prelude® Max Suspension Systems, see Pgs. 393-394.

Data Center Ceiling Systems



The Prelude® XL Max™ suspension system supports single point loads for cable trays, busways, and more.

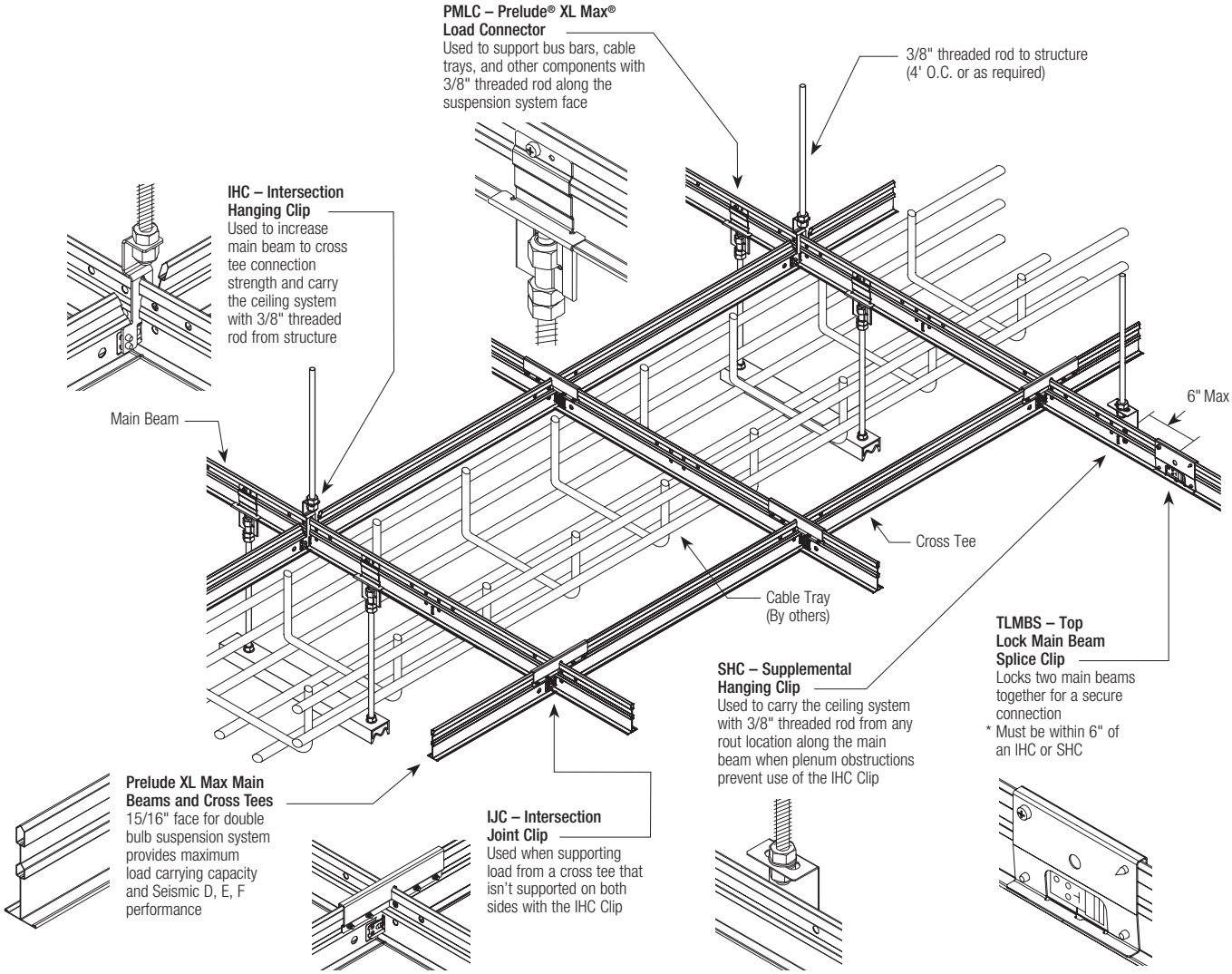


Integrated hanging clips allow connection to 3/8" threaded rod for flexible and reconfigurable overhead cable tray and electrical distribution without a separate strut channel system.



Load connector clips attach to the face of the suspension system to eliminate unsightly threaded rod penetrations through the ceiling plane to minimize unwanted air infiltration while improving access, cable tray layout options, and aesthetics.

PRELUDE® XL MAX® INSTALLATION OVERVIEW



RECOMMENDED CEILING PANELS FOR DATA CENTERS

Ultima® Health Zone™ (details Pgs. 321-324)

- Smooth, clean, durable finish – Impact-resistant, scratch-resistant, and soil-resistant; safe for use with disinfectants
- Long-lasting water-repellency; washable and scrubbable
- Excellent sound absorption
- 30-Year Limited System Warranty against visible sag, mold, and mildew

Clean Room™ FL / VL (details Pgs. 239-240)

- Clean Rooms up to ISO Class 5 (Class 100)
- Durable – washable, scrubbable, soil-resistant
- Non-directional visual reduces installation time and scrap
- 30-Year Limited System Warranty against visible sag, mold, and mildew

Acoustical On-Center Linear Lighting

50% ALUMINUM RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
		✔	✔	✔				✔					

▲ LOCATION DEPENDENT



Optima® 24" x 24" Tegular panels with Suprafine® 9/16" suspension system and integrated linear lighting

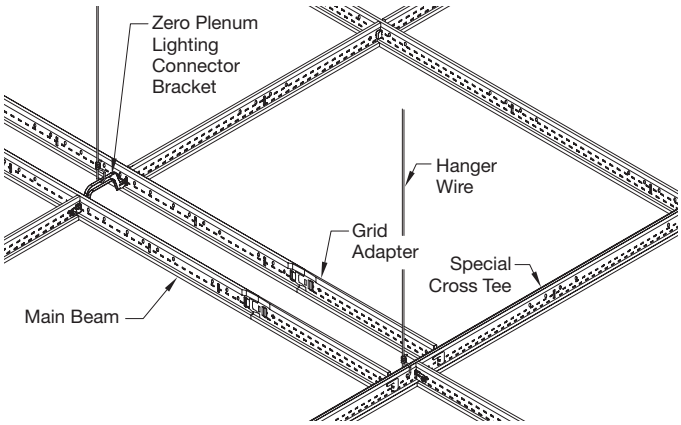
The new XAL LENO Zero Plenum luminaire integrates with Armstrong® suspension systems.

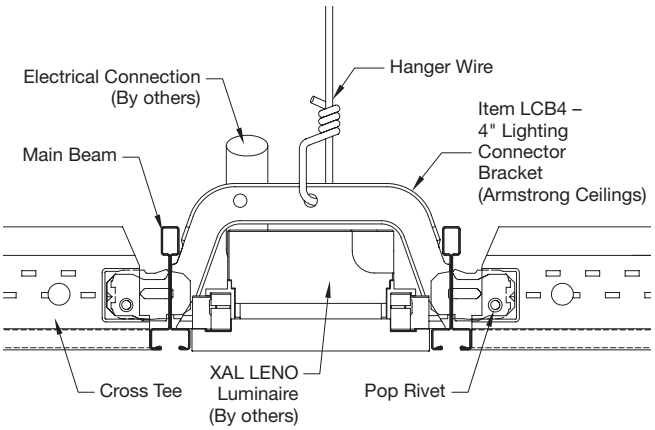
KEY SELECTION ATTRIBUTES

- Continuous or non-continuous on-center Linear Lighting Layouts – Inspiring symmetry to match your building design
- Zero Interference – Eliminates interference with mechanicals in the plenum
- Zero Construction Coordination – Install from below to speed construction
- Zero Independent Suspension – No independent suspension is required; approved for Seismic D, E, F installations
- Using a combination of FastSize™ factory-finished ceiling panels and suspension systems, perfect lighting layouts like this are easy to specify and install.

* Refer to the FastSize™ capabilites (Pg. 253) to view ceiling panels and suspension systems.

ON-CENTER LIGHTING FOR ACOUSTICAL APPLICATIONS





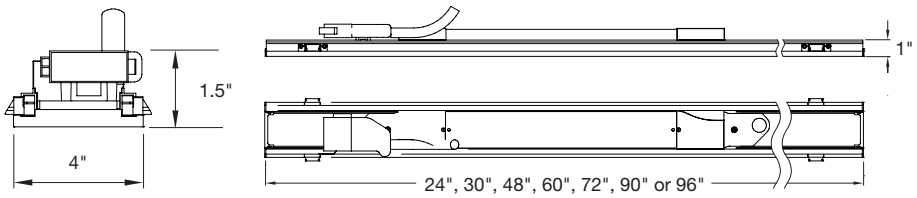
COLOR SELECTION

Due to printing limitations, shade may vary from actual product.

Standard

White (WH)

XAL LENO ZERO PLENUM LUMINAIRE



The new ultra thin XAL LENO Zero Plenum luminaire installs from below and features:

- High output, energy efficient LED lighting for any space
- High performance opal cover for uniform illumination and enhanced glare control
- Extruded aluminum fixture design
- White powder-coated finish
- Integrated plug and play electrical connections
- Choice of light outputs to achieve any desired light level
- Dimming options available

For detailed lighting information, contact your local XAL lighting representative or visit XALUSA.com

PHYSICAL DATA

Material
Commercial quality extruded aluminum alloy 6063

Surface Finish
Factory-applied baked polyester paint finish

Warranty
10-Year Limited Warranty; 30-Year System Warranty

ICC Reports
For areas under ICC jurisdiction, see evaluation report numbers ESR-1289 and ESR-1308 for allowable values and/or conditions of use concerning the suspension system components listed on this page. The reports are subject to reexamination, revisions, and possible cancellation.

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LEED® is a registered trademark of the U.S. Green Building Council

Armstrong® CEILING & WALL SOLUTIONS

Drywall Linear Lighting

50% ALUMINUM RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
		✓	✓	✓				✓					

▲ LOCATION DEPENDENT



Optima® 24" x 24" Tegular panels with Suprafine® 9/16" suspension system and integrated linear lighting

Create inspiring ceiling designs with higher ceiling heights, zero plenum interference, and on-center continuous or non-continuous customized layouts that provide clean, modern aesthetics.

KEY SELECTION ATTRIBUTES

- Seamless integration between drywall ceilings and linear lighting for consistent fit and finish
- Leverage LED in long runs to create a monolithic look - varying length and on-center spacing true to design intent
- Faster and easier to build and install compared to traditional framed linear lighting
- Light fixture installs from below the ceiling to optimize ceiling heights

TYPICAL APPLICATIONS

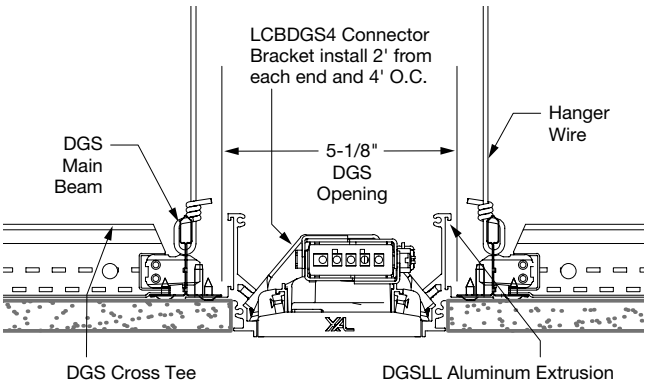
- Offices
- Healthcare
- Hospitality
- High-Rise Residential

VISUAL SELECTION

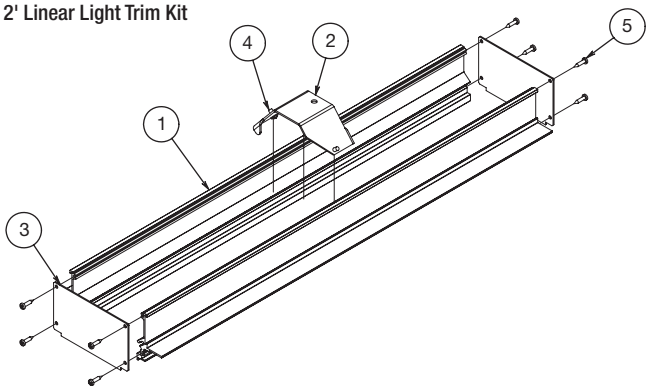
Item No.	Description	Fixture Length
Drywall Linear Lighting		
DGSLLTK24	2' Linear Light Trim Kit	24" x 4"
DGSLLTK30	2' – 6" Linear Light Trim Kit	30" x 4"
DGSLLTK48	4' Linear Light Trim Kit	48" x 4"
DGSLLTK60	5' Linear Light Trim Kit	60" x 4"
DGSLLTK72	6' Linear Light Trim Kit	72" x 4"
DGSLLTK90	7' – 6" Linear Light Trim Kit	90" x 4"
DGSLLTK96	8' Linear Light Trim Kit	96" x 4"
DGSLLTK120	10' Linear Light Trim Kit	120" x 4"
DGSLLTKCON	10' Continuous Linear Light Trim Kit	10'

Trim Kit Components Included

1. Aluminum Extrusions (2)
2. Connector Bracket (1)
3. End Plates (2)
4. #8-32 x 5/16" Pan Head Machine Screws
5. #6-20 x 5/8" Pan Head Sharp Point Screws



2' Linear Light Trim Kit



LIGHTING FIXTURES

Compatible with XAL Leno Luminaire

NOTE: Refer to the Drywall/Stucco/Plaster – Flat Ceilings (Pgs. 430-432) to view additional components needed.

For detailed lighting information, contact your local XAL lighting representative or visit XALUSA.com

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FORMATIONS™ Clouds Linear Lighting Kits

TruGroove LED Recessed Lighting



Formations™ cloud with integrated linear lighting

The epitome of simple sophistication – TruGroove LED lighting in Formations™ Clouds provides unrivaled performance and a truly innovative design.

KEY SELECTION ATTRIBUTES

- Offers best possible combination of lighting control and brightness
- Creates a balanced luminous environment with smooth, even gradients of light
- Easy to install
- Unique cable-cinch design saves time and money
- Offers wide row spacing to create uniform illumination using less fixtures and energy

VISUAL SELECTION

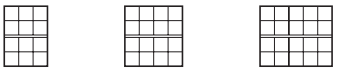
PANEL SELECTION

Cloud Size	Suspension Kit Item No. (Axiom® Vector® Trim & Suspension System)	Optima® Beveled Tegular Panels		Ultima® Beveled Tegular Panels		Calla® Beveled Tegular Panels		Lyra® Square Tegular Panels	
		24" x 24"		24" x 24"		24" x 24"		24" x 24"	
		15/16"	9/16"	15/16"	9/16"	15/16"	9/16"	15/16"	9/16"
6' x 8'	**L0608T_ _AV_ _ _**	3354	3251	1911	1912	2822	2824	8360	8361
8' x 8'	**L0808T_ _AV_ _ _**	3354	3251	1911	1912	2822	2824	8360	8361
8' x 10'	**L0810T_ _AV_ _ _**	3354	3251	1911	1912	2822	2824		
		30" x 30"		30" x 30"		30" x 30"		30" x 30"	
* 10' x 10'	**L1010T_ _AV_ _ _**	3258		1905		–		–	

* 10' x 10' Formations Clouds must use 9/16" suspension system only (Suprafine® or Interlude® XL® HRC)

PLANKS CLOUD SHAPE AND SIZE SELECTION

24" x 24" Panels



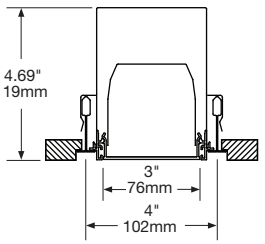
6' x 8' 8' x 8' 8' x 10'

30" x 30" Panels

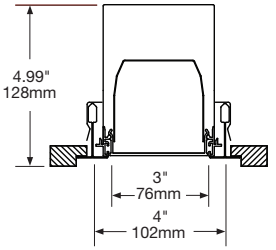


10' x 10'

CEILING PANEL / SUSPENSION SYSTEM / LIGHT FIXTURE INTERFACE



Armstrong® Suprafine 9/16" suspension system with Philips Ledalite TruGroove LED Light



Armstrong® Prelude® 15/16" suspension system with Philips Ledalite TruGroove LED Light

HOW TO SPECIFY

Based on the cloud size and shape you choose, you need to specify and order the suspension and trim kit item number, the panel item number, and the Philips Ledalite light fixture you select.

EXAMPLE:

L0608T _ _ * A V _ _ _

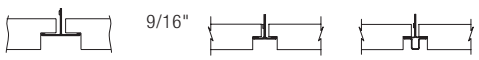
6' x 8' Cloud	Susp. System	6" or 8" Axiom Vector height	Color Suffix

* PD = Prelude 15/16"
SF = Suprafine 9/16"
LD = Interlude XL HRC 9/16"

All clouds come in the color White. All clouds have a 4" wide opening in the center specifically designed for the integration of a Philips Ledalite TruGroove LED fixture.

SUSPENSION SYSTEMS

15/16" 9/16"



Prelude® Suprafine® Interlude® XL® HRC

View installation videos or download CAD, Revit®, and SketchUp® files at armstrongceilings.com/formations

LIGHTING FIXTURES

PHILIPS LEDALITE

For TruGroove LED specifications and details, visit www.ledalite.com (search: trugroove)

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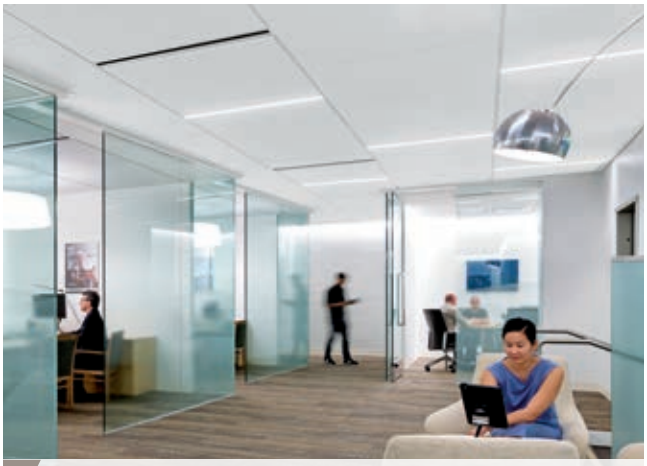
Armstrong® CEILING & WALL SOLUTIONS

T-Bar LED Linear Lighting

Smartlight™



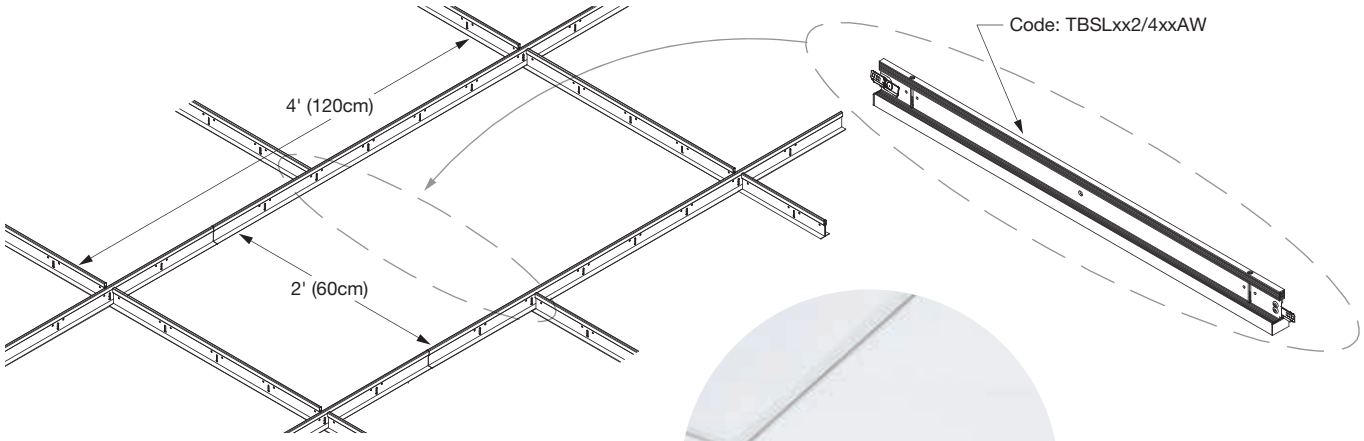
T-Bar LED Smartlight™ installation

Zero plenum lighting fixture integrates with Armstrong® LED cross tee clips for seamless integration.

KEY SELECTION ATTRIBUTES

- Popular linear light fixture available in two lengths with four different lens options, compatible with most Armstrong® 15/16" and 9/16" suspension systems
- Sleek energy-efficient design reduces energy use up to 50% over conventional lighting
- Low-profile design is perfect for use in crowded plenum spaces such as hospitals and corridors
- Seismic D,E, F compliant and pre-engineered to install with all 15/16" and 9/16" Armstrong® suspension systems

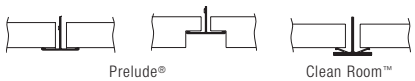
LINEAR LIGHTING FOR ZERO PLENUM APPLICATIONS



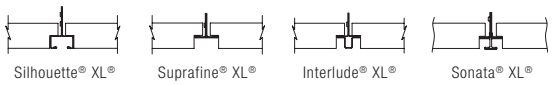


SUSPENSION SYSTEMS

15/16"



9/16"



LIGHTING FIXTURES

JLC • tech

T-BAR LED Smartlight™ specified, sold and installed through typical electrical channel. For more information visit JLC-Tech at www.tbarledsmartlight.com

JLC Tech and Smartlight are trademarks of JLC TECH LLC

new Recessed Downlighting for Acoustical Ceiling Intersections



Armstrong® Intersection Downlighting with USAI Lighting Connect light fixtures

This pre-engineered suspension system seamlessly integrates recessed downlights at the intersection of the ceiling grid, placing light where it has never been before.

KEY SELECTION ATTRIBUTES

- Lighting and architecture perfectly integrated into the ceiling to deliver your vision of symmetry
- Replaces inconsistent finishes and edge details with clean, crisp factory-finished panels and grid for a fast and easy installation
- Compatible with the USAI Lighting CONNECT™ Family
- Eliminates the worry of field-modified panels and grid
- Seismic code compliant
- Armstrong® 10-Year Limited Warranty

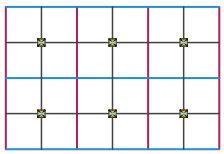
TYPICAL APPLICATIONS

- Open & Closed Offices
- Lobbies
- Training rooms
- Corridors
- Conference rooms

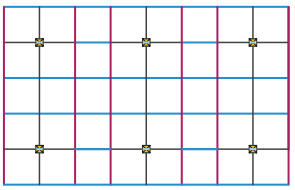
Follow the three (3) steps below when specifying Intersection Downlighting:

1. Choose your ceiling system layout

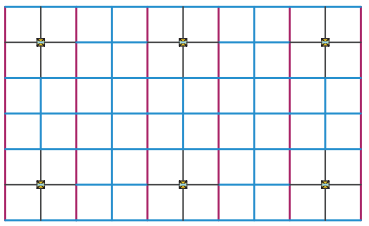
24" x 24" Ceiling panel layout with lights 4' apart



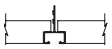
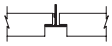
24" x 24" Ceiling panel layout with lights 6' apart

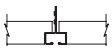
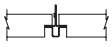


24" x 24" Ceiling panel layout with lights 8' apart

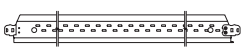


2. Choose your 9/16" Intersection Profile Downlighting Kit (main beams, standard cross tees, wall molding, and lights need to be ordered separately)

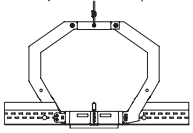
Item No.	Description
Silhouette® XL® ¼" Reveal	
76D4SK24_ _	24" Module Kit
Suprafine® XL®	
75D4SK24_ _	24" Module Kit

Item No.	Description
Silhouette XL 1/8" Reveal	
768D4SK24_ _	24" Module Kit
Interlude® XL® HRC	
61D4SK24_ _	24" Module Kit

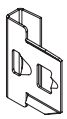
KIT COMPONENTS INCLUDED (8 Kits per carton)



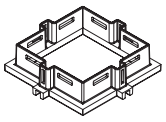
(4) Directional Cross Tees



(1) High-Profile Yoke (not assembled – comes in two pieces)*

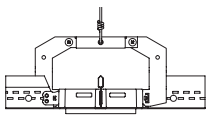


(2) Cross Tee Connection Clips



(1) Downlight Suspension Frame

ACCESSORY

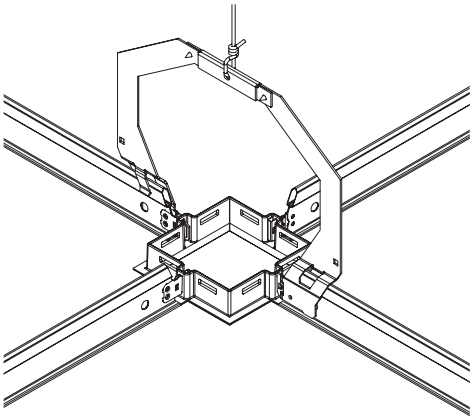


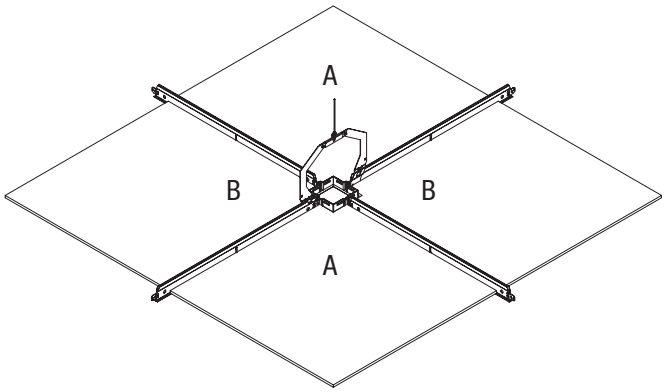
FZD4YKLP
Low-Profile Yoke

* Alternate low-profile yoke for low-plenum applications available - Item #: FZD4YKLP

new Recessed Downlighting for Acoustical Ceiling Intersections

INTERSECTION DOWNLIGHTING ASSEMBLY/CEILING PANEL LAYOUT





NOTE: These are directional panels and come as (8) pieces per carton (4 As / 4 Bs marked)

3. Choose your Ceiling Panel Notched Ultima®, Optima®, and Lyra® ceiling panels (24" x 24" tegular panels for 9/16" grid) also available as a special order.

VISUAL SELECTION

PERFORMANCE SELECTION

Dots represent high level of performance.

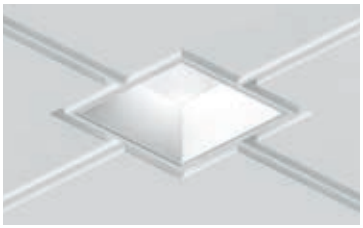
Edge Profile	Item No.	Dimensions (Inches)	UL Classified Acoustics NRC	+ CAC	= Total Acoustics[1] NRC + CAC	Articulation Class AC	Fire Rating	Light Reflect	Anti-Mold & Mildew	Sag Resist	Certified Low VOC Emissions	Wash	Impact	Scratch	Soil	Recycled Content	Recycle Program	30-Yr Warranty
CALLA® Notched Ceiling Panels																		
9/16" Square Tegular	**2818**	24 x 24 x 1"	0.85 •	35 •	**BEST**	170 •	Class A	0.86 •	•	•	•	•	•	•	•	•	•	•
CALLA® Compatable Full Size Panels																		
9/16" Square Tegular	**2824**	24 x 24 x 1"	0.85 •	35 •	**BEST**	170 •	Class A	0.86 •	•	•	•	•	•	•	•	•	•	•

[1] Total Acoustics™ ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.
GOOD (NRC 0.60-0.65; CAC 35+) **BETTER** (NRC 0.70-0.75; CAC 35+) **BEST** (NRC 0.80+; CAC 35+)
NOTE: Item # 2824 is the compatible full size (24" x 24" x 1") panel

CONNECT™ Family

The aesthetic and uncompromising craftsmanship of the Connect™ Lighting system integrates beautiful illumination with simplicity.

- Award-winning LED performance
- Three different trim aesthetics available: BeveLED, True Zero, and SliverLED
- Industry-leading color consistency
- Full family of downlight, adjustable and wall wash
- Interchangeable beam spreads
- Best-in-class dimming controls compatibility
- Widest range of white light color options
- Color technologies – Classic White, Warm Glow, Dimming, and Color Select options





LIGHTING FIXTURES

USAI® Lighting

For more product information visit: usailighting.com/connect

PHYSICAL DATA

Material
Cross Tees: Hot-dipped galvanized steel
High-Profile Yoke: Galvanized steel
Low-Profile Yoke: Galvanized steel
Cross Tee Connector Clip: Galvanized steel
Downlight Suspension Frame: ADC12 Aluminum

Surface Finish
Baked polyester paint or powder-coated finish

Cross Tee / Downlight Suspension Frame Interface
Flush

End detail
Staked-on XL Clip

Installation Considerations
The high-profile yoke included in each kit is designed for use with the USAI Lighting CONNECT Family Downlight, Adjustable, and Wall Wash lighting options.

For low plenum installations, the low-profile yoke can be ordered separately and comes with (8) eight unassembled yokes. The low-profile yoke can be used with the USAI CONNECT Family Downlight and Wall Wash options. A low-profile yoke will not fit the housing of a USAI CONNECT Adjustable downlight and a high-profile yoke must be used.

Downlight Suspension Frame can only receive directional cross tees. For light spacing 6' apart alternate main beam spacing (4' spacing, 2' spacing).

Carton Components:
Each carton contains (8) eight Intersection Downlighting Kits with the following components:

(32) 22" Directional Cross Tees

(8) High-Profile Yokes (unassembled)

(8) Downlight Suspension Frames

(20) Cross Tee Connection Clips (16 clips are required, 4 extra per carton)

Warranty
10-year limited warranty

TechLine / 1 877 276-7876
armstrongceilings.com/downlight

BPCS-5368-517

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Light Coves – Direct

AXIOM® Trim
straight

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

50% ALUMINUM RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
		✓	✓	✓					✓				

▲ LOCATION DEPENDENT



Axiom® – Direct Light Cove

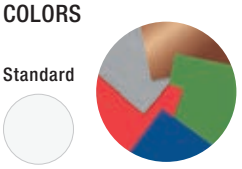
Axiom® extruded aluminum direct light coves offer ultra-low plenum clearance, predictable lighting performance, and perfect integration with all Armstrong® Suspension Systems.

KEY SELECTION ATTRIBUTES

- Pre-engineered, extruded aluminum light cove profiles with integrated XAL® LENO® light fixture
- Axiom Trim is part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today
- Fully concealed integrated design installs with all Armstrong acoustical & drywall suspension systems
- Low profile design with plug & play lighting for easy installation in shallow plenum corridors and entry areas.
- 10-year limited warranty, 30-year system warranty

COLORS

Standard



White (WH)

RAL® and Custom Colors Available

VISUAL SELECTION

Item No.	Description	Dimensions
Axiom Direct Light Coves		
AXDLC46	4" x 6" Direct Light Cove	120 x 4-1/2 x 6"
AXDLC44	4" x 4" Direct Light Cove	120 x 4-1/2 x 4"

Direct Light Coves: Aluminum extrusions formed with distinct architectural detail groove on bottom flange with special bosses to receive the T-Bar Connection Clip, Hanging Clip, and Splice Plate, provides positive mechanical lock with no visible fasteners. Factory-finished to match approved samples.

ACCESSORIES

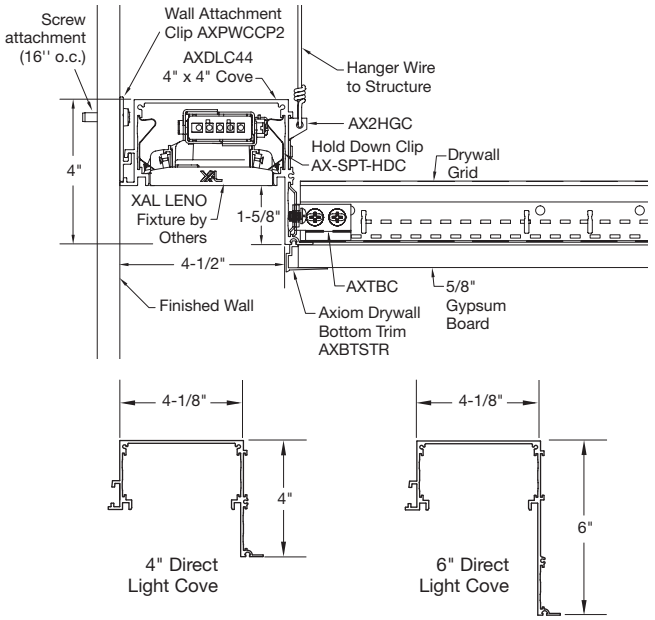
Item No.	Description	
AXBTSTR	Axiom® Bottom Drywall Trim – Straight for 5/8" Drywall	
AX2HGC	Hanging Clip – Hanging Clip: Sheet steel formed to fit into special trim channel bosses and provide positive mechanical lock, screw-fastened connection to suspension members which intersect below the trim channel.	
AXTBC	T-Bar Connection Clip – T-Bar Connection Clip: Galvanized sheet steel formed to fit into special trim channel bosses and provide positive mechanical lock with factory-installed screw, screw-fastened connection to suspension members which intersect the trim channel.	
AX4SPLICE	Axiom Splice Plate – Splice Plate: Galvanized sheet steel formed to fit into the trim channel bosses and provide positive lock between abutting channels with factory-installed setscrews.	
AXPWCCP2	Axiom Wall Clip – 2 x 2 x 112"	
AXPDLC46ECR	4" x 6" – Light Cove End Cap - Right	
AXPDLC46ECL	4" x 6" – Light Cove End Cap - Left	
AXPDLC44ECR	4" x 4" – Light Cove End Cap - Right	
AXPDLC44ECL	4" x 4" – Light Cove End Cap - Left	
AX-SPT-HDC	Trim Hold-Down Clip	

LIGHTING FIXTURES

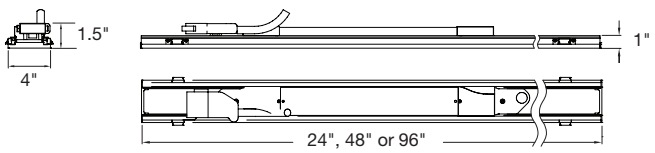
Compatible with XAL® Leno® Luminaire

For detailed lighting information, contact your local XAL lighting representative, or visit XALUSA.com

4" x 6" Direct Light Cove – AXPDLC46



XAL LENO ZERO PLENUM LUMINAIRE



The new ultra thin XAL LENO Zero Plenum luminaire installs from below and features:

- High-output, energy-efficient LED lighting for any space
- High-performance opal cover for uniform illumination and enhanced glare control
- Extruded aluminum fixture design
- White powder-coated finish
- Integrated plug and play electrical connections
- Choice of light outputs to achieve any desired light level
- Dimming options available

LEED® is a registered trademark of the U.S. Green Building Council
RAL® is a registered trademark of RAL gGmbH
XAL® and LENO® are registered trademarks of XAL GmbH
Declare℠ is a service mark of The International Living Future Institute

Armstrong® CEILING & WALL SOLUTIONS

Light Coves – Indirect

AXIOM® Trim
straight

Declare℠ Living Building Challenge Compliant

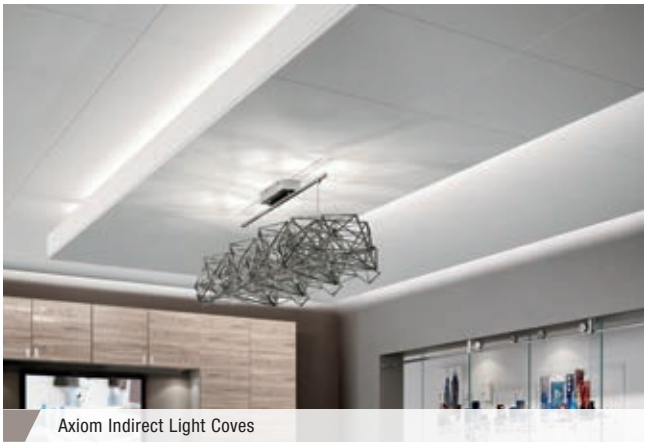
SUSTAIN™ High Performance Sustainable Ceiling Systems

50% ALUMINUM RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt; regional materials; design for flexibility; EPD; recyclable/ extended producer resp.; biobased materials; recycled content; sourcing of raw materials; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

▲ LOCATION DEPENDENT



Axiom Indirect Light Coves

Axiom® Indirect Light Coves offer predictable performance and perfect integration.

KEY SELECTION ATTRIBUTES

- Axiom® Indirect Light Coves offer predictable lighting performance and perfect integration with all Armstrong® suspension systems
- With our three lighting partners, this pre-engineered solution offers a variety of options with both Ceiling-to-Wall and Ceiling-to-Ceiling light coves and sizes
- Featuring a new Knife Edge® profile that brings acoustical panels out to the edge of the cove
- 10-Year Limited Warranty, 30-Year System Warranty

TYPICAL APPLICATIONS

- Offices
- Corridors
- Restrooms
- Healthcare
- Lobbies
- Boardrooms
- Retail

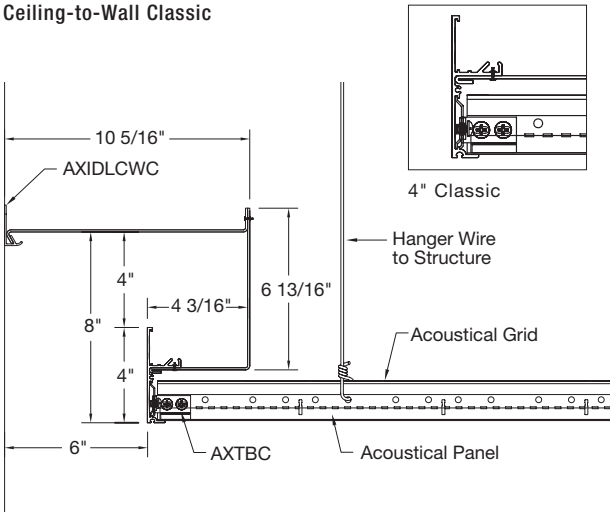
COLOR

White (WH)

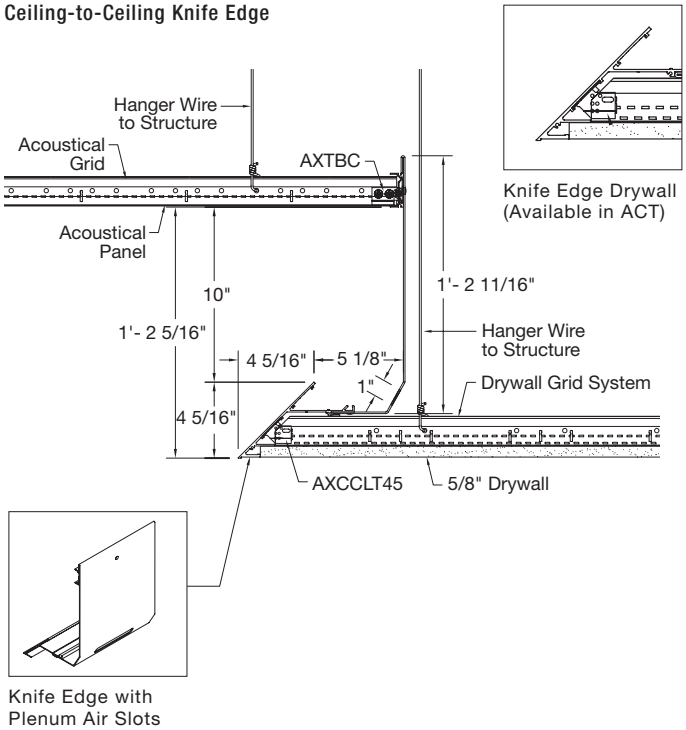
VISUAL SELECTION

Light Cove Type	Mounting	Edge Detail	Size	Options
Indirect Light Cove Ordering Information	Ex: AXIDLCCKD812ISC – Axiom Indirect Light Cover, Ceiling-to-Ceiling, 12" Light Cove with Knife Edge Drywall Trim, 12" Inside Corner			
AXIDL	CC – Ceiling-to-Ceiling CW – Ceiling-to-Wall	4 – 4" Classic KE – Knife Edge ACT KD – Knife Edge Drywallw	48 – 8" H 610 – 10" H 812 – 12" H 1014 – 14" H 1216 – 16" H 1418 – 18" H 1620 – 20" H	– Blank S – Plenum Air Slots IC – Inside Corner OC – Outside Corner

Ceiling-to-Wall Classic



Ceiling-to-Ceiling Knife Edge



LIGHTING FIXTURES

Compatible with:
Axis Lighting, Litecontrol, and Vode® Lighting.

Vode® is a trademark of Vode Lighting LLC;
LEED® is a registered trademark of the U.S. Green Building Council
Declare℠ is a service mark of The International Living Future Institute

AXIOM® Building Perimeter System



This pre-engineered extruded aluminum building perimeter trim integrates air distribution, draperies, blinds, mechanical shades, or changes in ceiling elevations – without any visible fasteners.

KEY SELECTION ATTRIBUTES

- Works with Armstrong® acoustical and drywall suspension systems
- Axiom® trim is part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today
- Provides an aesthetic platform to integrate functions such as drapery pockets, air distribution, and changes in ceiling elevation
- Allows quality control at the perimeter, reduces time required to detail and specify the integration of perimeter solutions
- Reduces risk associated with field fabricated, labor-intensive accommodation of air distribution, window pockets, and ceiling elevation changes at the perimeter of a building
- Replaces the framing, boarding, taping, mudding, sanding, and painting commonly used for drywall pockets
- Custom slotting, perforating, and cutting available
- 30-year limited warranty
- Seismic systems available

COLOR

White (WH)

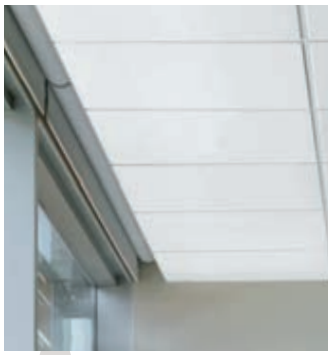


Standard Axiom and custom colors available.

Titus
The Leader in Air Management

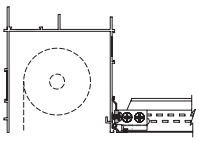
Titus compatible plenum slot diffusers

PERIMETER OPTIONS



A

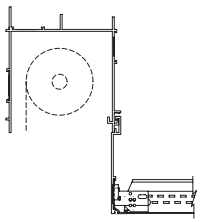
Perimeter Pockets for a clean, seamless transition





B

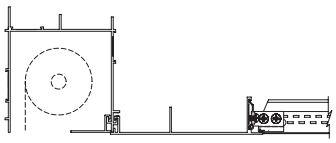
For smooth changes in ceiling elevations, use Perimeter Pockets with extensions

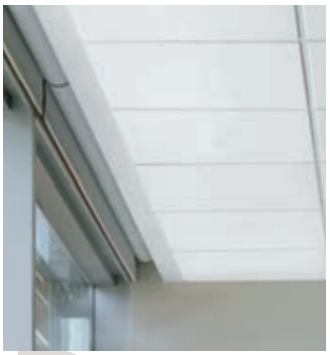




C

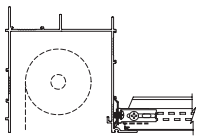
For air distribution next to windows and walls, use slotted face plates





D

Complete seismic solutions available (shown above with 2" closure clip)



Titus is a trademark of titus manufacturing corporation

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CEILING & WALL SOLUTIONS

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50% ALUMINUM RECYCLED CONTENT

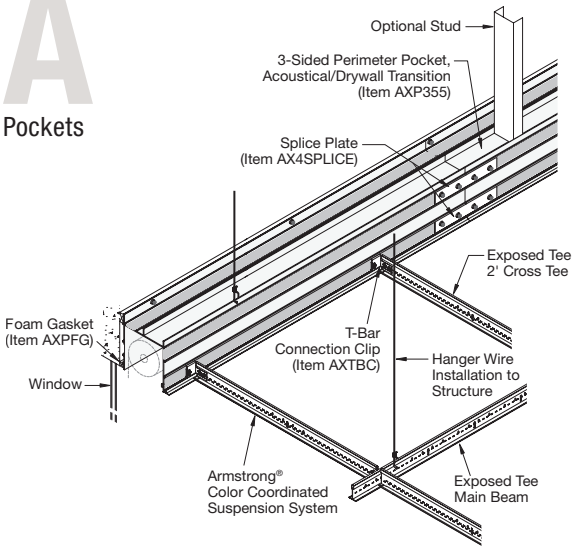
Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
		✓	✓	✓				✓					

▲ LOCATION DEPENDENT

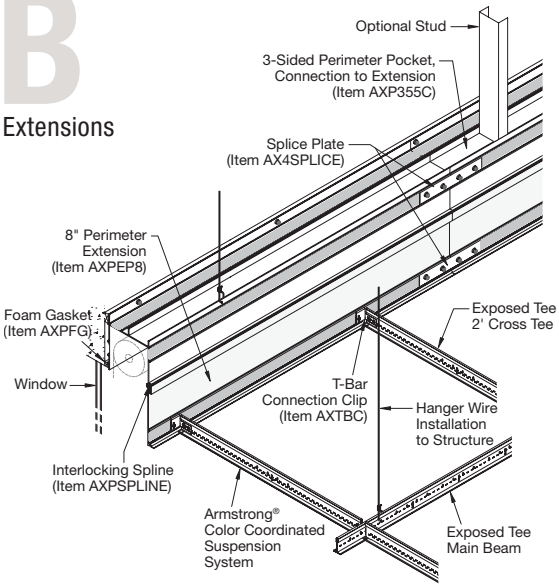
SPECIFY THE OPTION THAT FITS YOUR PROJECT

A Pockets



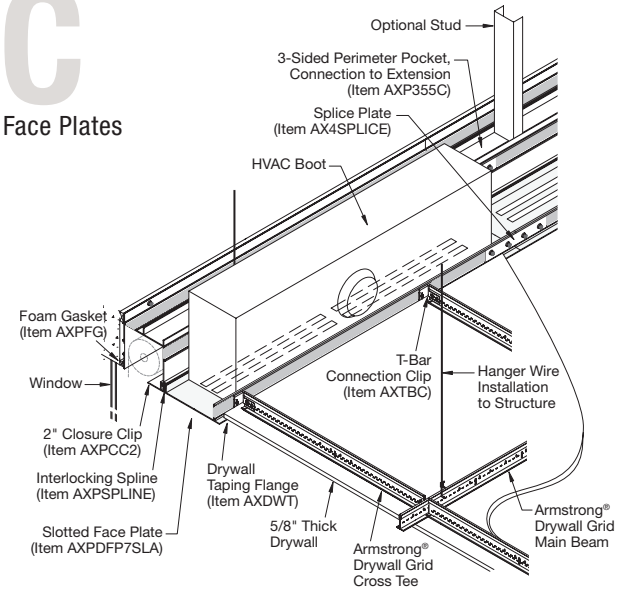
Item No.	Description
AXP355	3-Sided Perimeter Pocket, Acoustical/Drywall Transition
AX4SPLICE	Axiom® Splice Plates with Setscrews
AXPFG	Axiom Building Perimeter Foam Gasketing
AXTBC	Axiom T-Bar Connection Clip

B Extensions



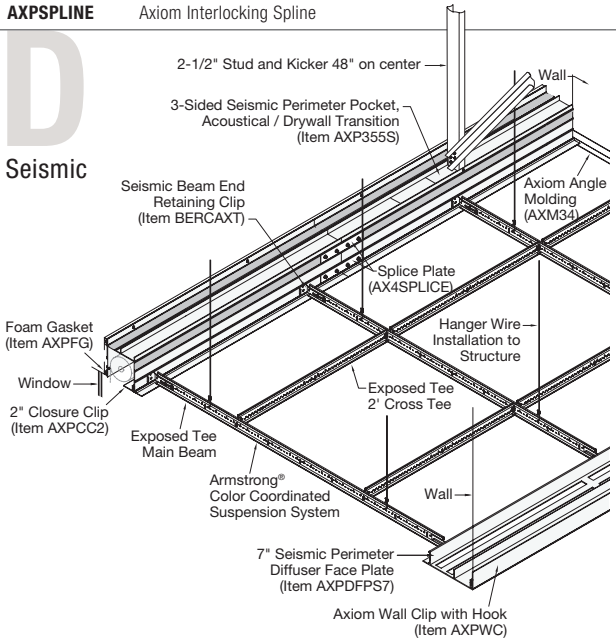
Item No.	Description
AXP355C	3-Sided Perimeter Pocket, Connection to Extension/Face Plate Piece
AXPEP8	Axiom 8" Perimeter Extension
AX4SPLICE	Axiom Splice Plates with Setscrews
AXPFG	Axiom Building Perimeter Foam Gasketing
AXTBC	Axiom T-Bar Connection Clip
AXPSPLINE	Axiom Interlocking Spline

C Face Plates



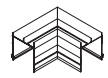
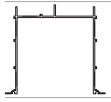
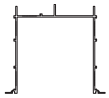
Item No.	Description
AXP355C	3-Sided Perimeter Pocket, Connection to Extension/Face Plate Piece
AXPDFP7SLA	Axiom Perimeter Diffuser Face Plate – 2-Slot Pattern
AX4SPLICE	Axiom Splice Plates with Setscrews
AXPFG	Axiom Building Perimeter Foam Gasketing
AXPCC2	Axiom 2" Building Perimeter Closure Clip (optional)
AXTBC	Axiom T-Bar Connection Clip
AXPSPLINE	Axiom Interlocking Spline
AXDWT	Drywall Taping Flange

D Seismic

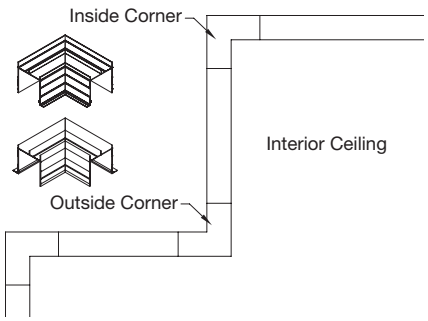


Item No.	Description
AXP355S	3-Sided Seismic Perimeter Pocket, Acoustical/Drywall Transition
AX4SPLICE	Axiom Splice Plates with Setscrews
AXPFG	Axiom Building Perimeter Foam Gasketing
AXPCC2	Axiom 2" Building Perimeter Closure Clip
BERCAXT	Axiom Beam End Retaining Clip

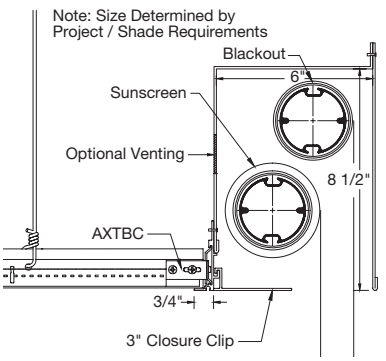
3-SIDED PERIMETER POCKETS AND CORNERS

	Item No.	Description	Dimensions	Length
3-Sided Perimeter Pockets				
	**AXP355**	3-Sided Perimeter Pocket, Acoustical/Drywall Transition	5 x 5 x 5"	120"
	**AXP355OSC**	3-Sided Perimeter Pocket, Acoustical/Drywall Transition – Outside Corner	12 x 5 x 12"	12"
	**AXP355ISC**	3-Sided Perimeter Pocket, Acoustical/Drywall Transition – Inside Corner	12 x 5 x 12"	12"
	**AXP355S**	3-Sided Seismic Perimeter Pocket, Acoustical/Drywall Transition with 0.875" Flange	5 x 5 x 5"	120"
	**AXP355SOSC**	3-Sided Seismic Perimeter Pocket, Acoustical/Drywall Transition with 0.875" Flange – Outside Corner	12 x 5 x 12"	12"
	**AXP355SISC**	3-Sided Seismic Perimeter Pocket, Acoustical/Drywall Transition with 0.875" Flange – Inside Corner	12 x 5 x 12"	12"
	**AXP355C**	3-Sided Perimeter Pocket, Connection to Extension/Face Plate Piece	5 x 5 x 5"	120"
	**AXP355COSC**	3-Sided Perimeter Pocket, Connection to Extension/Face Plate Piece – Outside Corner	12 x 5 x 12"	12"
	**AXP355CISC**	3-Sided Perimeter Pocket, Connection to Extension/Face Plate Piece – Inside Corner	12 x 5 x 12"	12"
	**AXP3543E**	3-Sided Perimeter Pocket – Exposed Application	5 x 4-3/4 x 5"	120"
	**AXP3552**	3-Sided Perimeter Pocket, Acoustical/Drywall Transition – 2 sides Pre-engineered 10' (120") aluminum pocket with acoustical/drywall transition on two sides and distinct architectural detail; used to organize ceiling cutouts or lighting.	5 x 5 x 5"	120"

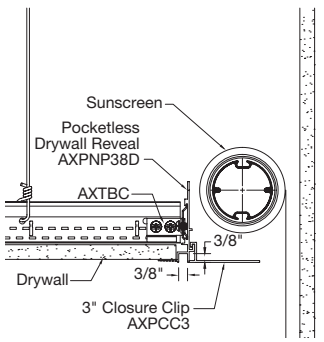
CORNERS



Double Shade Pockets



Pocketless Shade Options



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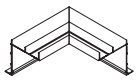
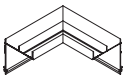
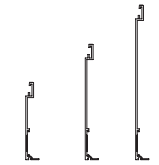
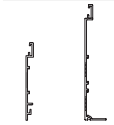
LEED®: energy management; construction waste mgmt ✓; regional materials ✓; design for flexibility ✓; EPD; recyclable/ extended producer resp.; biobased materials; recycled content ✓; sourcing of raw materials ✓; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

2-SIDED PERIMETER POCKETS AND NO POCKET DETAILS

	Item No.	Description	Dimensions	Length
2-Sided Perimeter Pockets				
	**AXP255**	2-Sided Perimeter Pocket, Acoustical/Drywall Transition	5" x 5"	120"
	**AXP255OSC**	2-Sided Perimeter Pocket, Acoustical/Drywall Transition – Outside Corner	12 x 5 x 12"	12"
	**AXP255ISC**	2-Sided Perimeter Pocket, Acoustical/Drywall Transition – Inside Corner	12 x 5 x 12"	12"
	**AXP236**	2-Sided Perimeter Pocket, Acoustical/Drywall Transition	3" x 6"	120"
	**AXP255C**	2-Sided Perimeter Pocket, Connection to Extension/Face Plate Piece	5" x 5"	120"
	**AXP255COSC**	2-Sided Perimeter Pocket, Connection to Extension/Face Plate Piece – Outside Corner	12 x 5 x 12"	12"
	**AXP255CISC**	2-Sided Perimeter Pocket, Connection to Extension/Face Plate Piece – Inside Corner	12 x 5 x 12"	12"
No Pocket Details				
	**AXPNP34A**	No Pocket, 3/4" Acoustical Flange with Closure Clip Attachment	2-11/16" x 3/4"	120"
	**AXPNP34NR**	No Pocket, 3/4" Acoustical Flange No Reveal with Closure Clip Attachment	2" x 3/4"	120"
	**AXPNP125A**	No Pocket, 1-1/4" Acoustical Flange with Closure Clip Attachment	2-11/16" x 1-1/4"	120"
	**AXPNP38D**	No Pocket Drywall Taping Flange, 3/8" Reveal with Closure Clip Attachment	3-7/16" x 1-3/16"	120"
	**AXPNPD**	No Pocket Drywall Taping Flange, with Closure Clip Attachment	2-11/16" x 3/4"	120"
	**AXPNPFPA**	No Pocket detail with Face Plate and Closure Attachment	3-11/16" x 1/8"	120"

EXTENSIONS AND FACE PLATES

	Item No.	Description	Dimensions	Length
Extensions (custom slotting, perforating, or cutouts available)				
 AXPEP4 AXPEP6 AXPEP8	**AXPEP4**	Axiom® Perimeter Extension	4"	120"
	AXPEP6	Axiom Perimeter Extension	6"	120"
	AXPEP8	Axiom Perimeter Extension	8"	120"
 AXPEP4H AXPEPS6	**AXPEP4H**	Axiom Perimeter Extension - Hook on both sides	4"	120"
	AXPEPS6	Axiom Seismic Perimeter Extension with 0.875" Flange	6"	120"
Face Plates (custom slotting, perforating, or cutouts available)				
	**AXPDFP4**	Axiom Perimeter Face Plate - Unslotted	4" Unslotted	120"
	AXPDFP4SLA	Axiom Perimeter Face Plate - Slotted	4" Slotted 3/4" x 23" 2-Slot Pattern	120"
	AXPDFP4SLB	Axiom Perimeter Face Plate - Slotted	4" Slotted 2-3/4" x 23" 1-Slot Pattern	120"
	**AXPDFP7**	Axiom Perimeter Face Plate - Unslotted	7" Unslotted	120"
	AXPDFP7SLA	Axiom Perimeter Face Plate - Slotted	7" Slotted 3/4" x 23" 2-Slot Pattern	120"
	AXPDFP7SLB	Axiom Perimeter Face Plate - Slotted	7" Slotted 2-3/4" x 23" 1-Slot Pattern	120"
	AXPDFPS7	Axiom Seismic Perimeter Face Plate with 0.875" Flange - Unslotted	7" Unslotted	120"
	AXPDFPS7SLA	Axiom Seismic Perimeter Face Plate with 0.875" Flange - Slotted	7" Slotted 3/4" x 23" 2-Slot Pattern	120"
	AXPDFPS7SLB	Axiom Seismic Perimeter Face Plate with 0.875" Flange - Slotted	7" Slotted 2-3/4" x 23" 1-Slot Pattern	120"
	AXPDFP54	Axiom Seismic Perimeter Face Plate with 0.875" Flange - Unslotted	4" Unslotted	120"
	AXPDFP54SLA	Axiom Seismic Perimeter Face Plate with 0.875" Flange - Slotted	4" Slotted 3/4" x 23" 2-Slot Pattern	120"
	AXPDFP54SLB	Axiom Seismic Perimeter Face Plate with 0.875" Flange - Slotted	4" Slotted 2-3/4" x 23" 1-Slot Pattern	120"
	**AXPDFP4DT**	Axiom Perimeter Face Plate Drywall Transition - Unslotted	4" Unslotted	120"
	AXPDFP4DTSLA	Axiom Perimeter Face Plate Drywall Transition - Slotted	4" Slotted 3/4" x 23" 2-Slot Pattern	120"
	AXPDFP4DTSLB	Axiom Perimeter Face Plate Drywall Transition - Slotted	4" Slotted 2-3/4" x 23" 1-Slot Pattern	120"
	**AXPDFP7DT**	Axiom Perimeter Face Plate Drywall Transition - Unslotted	7" Unslotted	120"
	AXPDFP7DTSLA	Axiom Perimeter Face Plate Drywall Transition - Slotted	7" Slotted 3/4" x 23" 2-Slot Pattern	120"
	AXPDFP7DTSLB	Axiom Perimeter Face Plate Drywall Transition - Slotted	7" Slotted 2-3/4" x 23" 1-Slot Pattern	120"

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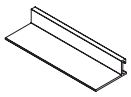
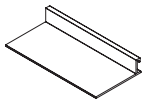
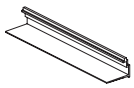
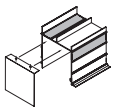
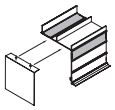
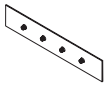
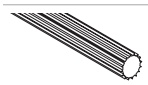
LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
		✓	✓	✓				✓					

▲ LOCATION DEPENDENT

FACE PLATES, CLOSURE CLIPS, AND ACCESSORIES

	Item No.	Description	Dimensions	Length
Face Plates				
	**AXFFP4**	Axiom® Perimeter Face Plate	4" Unslotted	120"
	**AXFFP6**	Axiom Field Face Plate	6" Unslotted	120"
Closure Clips				
	**AXPCC2**	2" Axiom Building Perimeter Closure Clip	2"	120"
	**AXPCC3**	3" Axiom Building Perimeter Closure Clip	3"	120"
Accessories				
	**AXBTSTR**	Axiom Bottom Drywall Trim Straight for 5/8" Drywall	120 x 1-1/8 x 27/32"	120"
	**BERCAXT**	Axiom Beam End Retaining Clip for Seismic Applications	—	—
	**AXPWC**	Axiom Wall Clip with Hook for Face Plate	—	2"
	**AXPWCCP**	Axiom Wall Clip	—	120"
	**AXTBC**	Axiom T-Bar Connector Clip: Galvanized sheet steel formed to fit into special trim channel bosses. Provides positive mechanical lock with factory-installed screw and screw-fastened connection to suspension system members that intersect the trim channel.	—	—
	**AXCPCI**	End Plate (3-sided) for AXP355: Provides a capping at the end of a perimeter pocket.	—	—
	**AXCPCIV**	End Plate (2-sided) for AXP255: Provides a capping at the end of a perimeter pocket.	—	—
	**AXP3543E**	3-sided, pocket end cap	—	—
	**AX4SPLICE**	Axiom Splice Plate: Anodized sheet steel formed to fit into the trim channel bosses and provides positive lock between abutting channels with factory-installed setscrews.	—	—
	**AXPFG**	Foam Gasketing: Gasketing used between perimeter pocket piece and exterior window or exterior wall.	—	25' Roll
	**AXPSPLINE**	Axiom Building Perimeter Interlocking Spline for connection between Perimeter Pocket and Extension or Face Plate.	—	120"

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AXIOM® Building Perimeter

Compatible with Lutron® Shade Pocket



Axiom® Building Perimeter System with Lutron® Compatible Shade Pocket

This pre-engineered extruded aluminum building perimeter trim integrates automated shades, at the same time tying into acoustical or drywall ceiling systems – without any visible fasteners.

KEY SELECTION ATTRIBUTES

Axiom® Building Perimeter System is an extruded aluminum trim solution to create the transition between the interior of a building's perimeter and the ceiling plane.

- Allows quality control at the perimeter, reducing time required to detail and specify
- Compatible with the Lutron® Sivoia® QS Roller 100/150/300 Shading System for faster, simpler installation
- Eliminates the framing, boarding, taping, mudding, sanding, and painting commonly used for drywall pockets
- Seismic code compliant
- Armstrong Ceilings 10-Year Limited Warranty, 30-Year System Warranty

COLOR

White (WH)

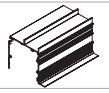
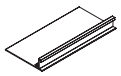
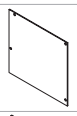
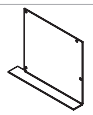
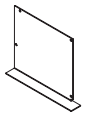


Standard Axiom and custom colors available.

LUTRON® Shading Solutions

Lutron Compatible Shade Pockets

VISUAL SELECTION

Item No. ◆	Description	Dimensions (Inches)	Length	
Three-sided Lutron® Compatible Shade Pockets and Accessories				
Axiom Building Perimeter Pocket: Pre-engineered 10' (120") aluminum pocket formed with distinct architectural detail; three-sided pocket with special bosses to accept T-Bar Connector Clip and Splice Plate to provide positive mechanical lock with no visible fasteners; factory-finished to match approved samples; and factory- or field-cut miters to match approved shop drawings.				
AXP355L	3-Sided Lutron Compatible Shade Pocket	5" x 5"	120"	
AXP355LS	3-Sided Seismic Lutron Compatible Shade Pocket	5" x 5"	120"	
AXP355LE **AXP355LE_ _**	3-Sided Exposed Lutron Compatible Shade Pocket 3-Sided Exposed Lutron Compatible Shade Pocket, colors	5" x 5"	120"	
AXPCC3L **AXPCC3L_ _**	3" Shade Closure Clip 3" Shade Closure Clip, colors	3"	120"	
AXP355LEEC **AXP355LEEC_ _**	Lutron Exposed End Cap Lutron Exposed End Cap, colors	5" x 5"	–	
AXP355LECR	Lutron End Cap, right	5" x 5"	–	
AXP355LECL	Lutron End Cap, left	5" x 5"	–	

◆ Add the 2-letter color suffix to the item number when specifying or ordering (Example: AXP355LE B L)

AXIOM® Building Perimeter

Compatible with Lutron® Shade Pocket

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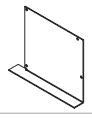
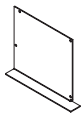
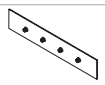
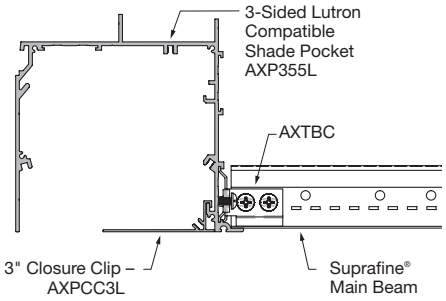
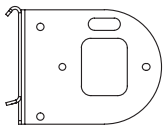
▲ LOCATION DEPENDENT

VISUAL SELECTION

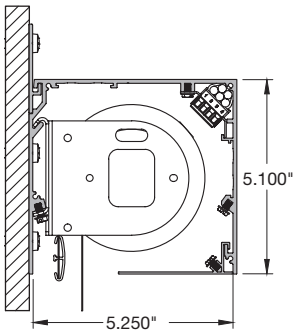
Item No.	Description	Dimensions (Inches)	Length	
Three-sided Lutron® Compatible Shade Pockets and Accessories (cont'd.)				
AXP355LSECR	Lutron Seismic End Cap, right	5" x 5"	–	
AXP355LSECL	Lutron Seismic End Cap, left	5" x 5"	–	
AXPWCCP2	Axiom Wall Clip	2" x 1/2"	2"	
AX4SPLICE	Axiom Splice Plate with Setscrews	–	8"	
AXTBC	Axiom T-Bar Connector Clip	–	–	



Pocket



Lutron Integrated Bracket for Axiom® Building Perimeter System
(provided by Lutron)



Complete Solution

ENSURE COMPATIBILITY WHEN SPECIFYING

To ensure compatibility, go to www.performanceshadingadvisor.com or refer to BPCS-5161 Lutron® Compatible Shade Pocket brochure.

1 Select Pocket and Shade Fabric

1a Ensure Compatibility

2 Select Framing Method and Drive Unit/ Top Treatment

3 Select Closure Clip and Low-Voltage Power Supply

4 Select Suspension System and Contacts

5 Specify Both Pocket and Shade in Division 9 and 12

PHYSICAL DATA

Material
Extruded aluminum

Surface Finish
Factory-applied baked polyester paint finish

Cross Tee/Main Beam Interface
Prelude® XL® 15/16" Exposed Tee, Suprafine® 9/16" Exposed Tee, Silhouette® XL® 9/16" Bolt-Slot, Interlude® XL® HRC 9/16" Dimensional Tee, Sonata® XL® 9/16" Dimensional Tee, Drywall Grid System

End Detail
Splice Plate with Screws
Custom options are available

Lutron® Shading Customer Service

Phone: 1-800-446-1503
Email: shadingcustsvc@lutron.com
www.performanceshadingadvisor.com

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COMMON CONDITIONS

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Window & Shade Pockets
Transitions
Bulkheads & Soffits
Light Coves & Pockets
Flat & Curved Drywall
Interior Glass Partitions
Corridors

DETAILS MAKE THE DIFFERENCE

Improve Finished Aesthetics with Pre-Engineered Solutions

Armstrong® ceiling solutions are pre-engineered with attention to detail to ensure you control the finished aesthetic of the ceiling and achieve your design intent.

On every project you will encounter these common conditions. The following pages feature Armstrong® pre-engineered integrated solutions for these common conditions.

We have compared our pre-engineered solutions to traditional construction methods, and present the benefits that support their use. By utilizing these Armstrong® integration solutions, you will be able to specify and maintain the eye-candy designs of your vision while solving everyday challenges.















LEARN MORE:
armstrongceilings.com/commonconditions

Armstrong®
CEILING & WALL SOLUTIONS

COMMON CONDITION:
Window & Shade Pockets


Window and shade pockets

When it comes to shade pockets or the perimeter of an application, trying to accomplish the transition between the interior of a building's perimeter and the ceiling plane can be challenging.

ARMSTRONG® SOLUTION BENEFITS:

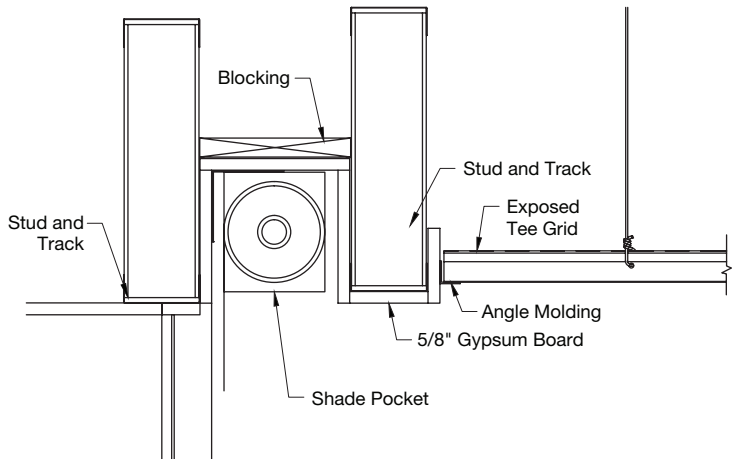
- Regain aesthetic control at the building perimeter
- Quality control at the perimeter, reduce time required to detail and specify the integration of perimeter solutions
- Reduce risk associated with field fabricated, labor-intensive accommodation of air distribution, window pockets, and ceiling elevation changes at the perimeter of a building

ARMSTRONG® SOLUTION FEATURES:

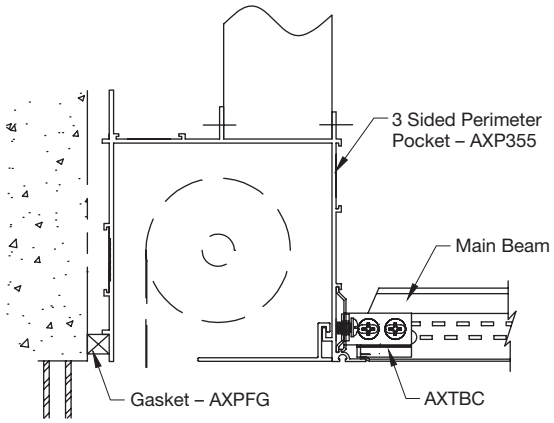
- Work with drywall and acoustical suspension systems like no other pocket can for perfect fit and finish
- Integrate drapery pockets, window shades, air distribution, and changes in ceiling elevation
- Installs 12 times faster than drywall pockets and twice as fast as traditional pockets

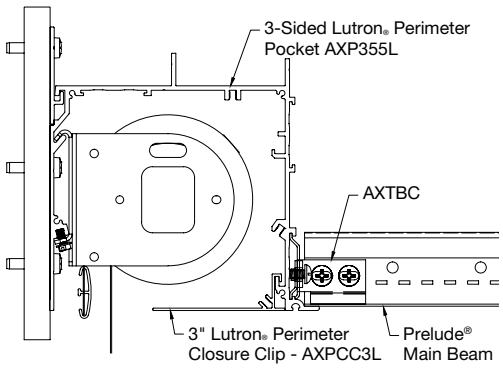
Refer to Pgs. 357-364 for Axiom® Shade Pocket details

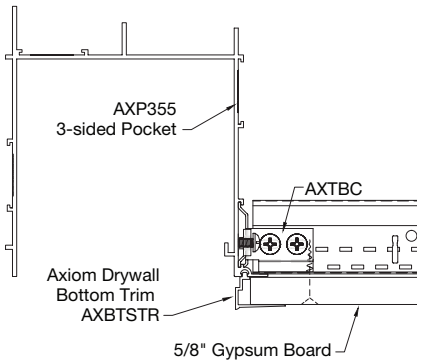
TRADITIONAL Shade Pocket



ARMSTRONG® Axiom® Building Perimeter Shade Pockets

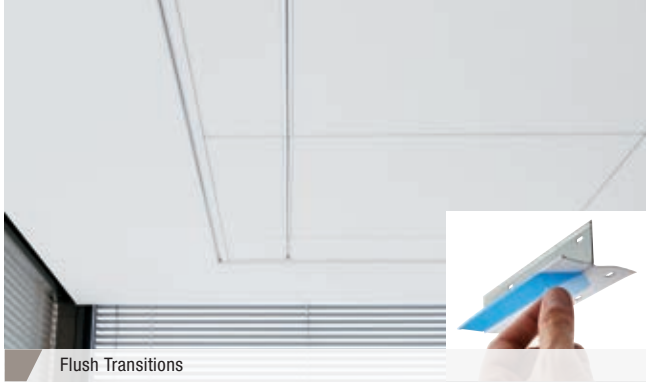






Lutron® is a registered trademark of Lutron Electronics, Inc.

COMMON CONDITION:
Flush Transitions



Transitions are used to join two ceiling planes at the same height.

ARMSTRONG® SOLUTION BENEFITS:

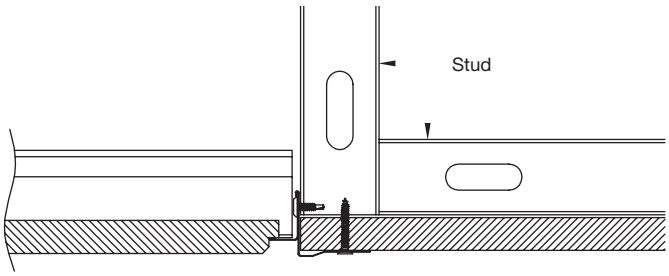
- Extruded aluminum trim provides more crisp-edge detailing compared to conventional roll-formed steel systems
- Acoustical-to-drywall transitions are available straight and curved for perfect fit and finish every time
- Axiom® trim is part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today

ARMSTRONG® SOLUTION FEATURES:

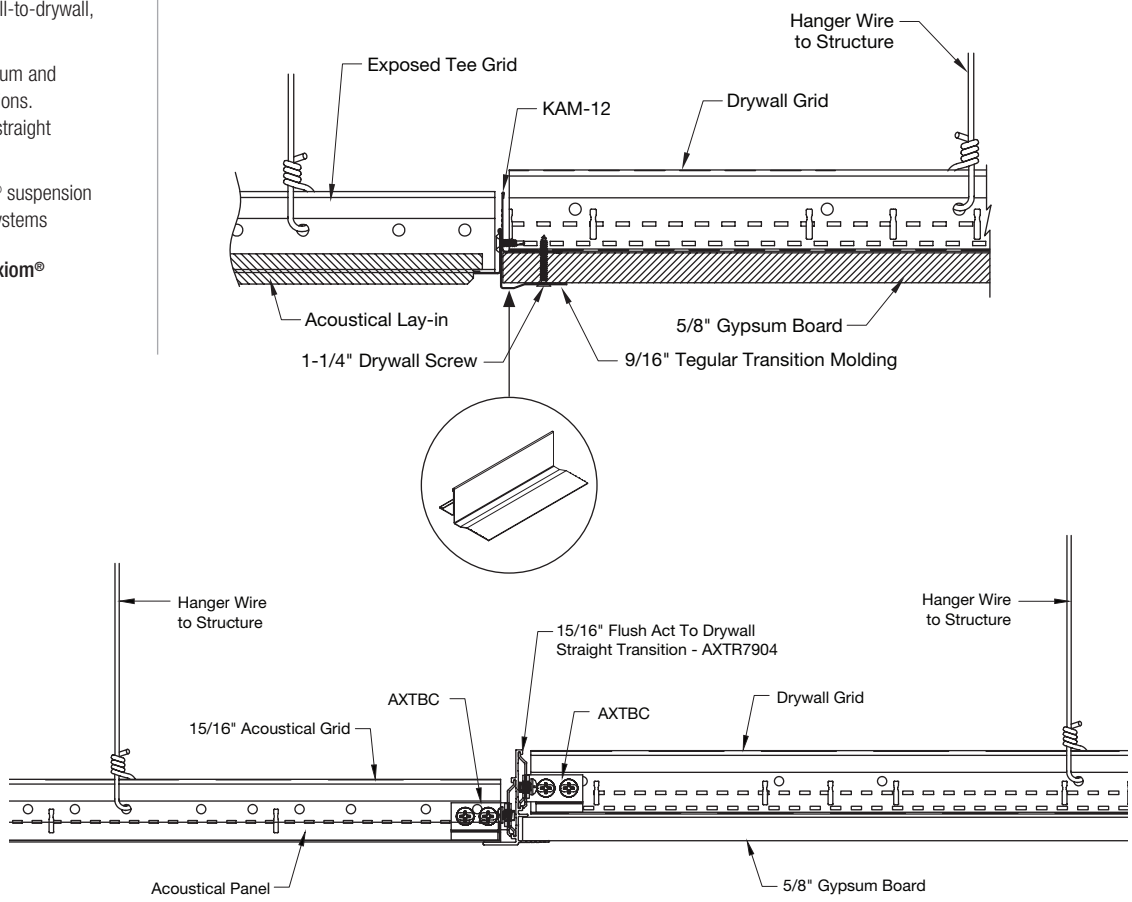
- Accommodates acoustical-to-acoustical, acoustical-to-drywall, drywall-to-drywall, and drywall-to-acoustical
- Available in extruded aluminum and stainless steel transition options. Extruded aluminum can be straight or curved.
- Compatible with Armstrong® suspension systems and Drywall Grid Systems

Refer to Pgs. 424-425 for Axiom® Transition details

TRADITIONAL Flush Transition



ARMSTRONG® Flush Transitions



COMMON CONDITION:

1" to 10" Straight or Curved Transitions (Elevation Change)

Transitions are used in place of a bulkheads when there is a high transition less than 10".



Curved Transition

ARMSTRONG® SOLUTION BENEFITS:

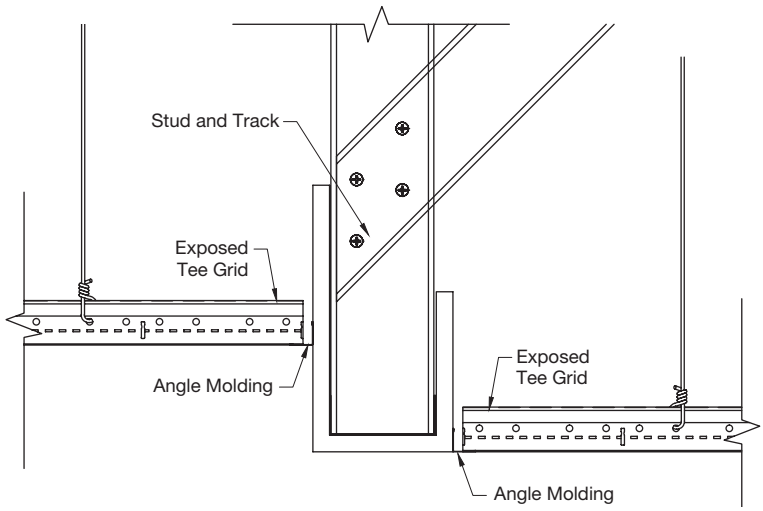
- Creates a smooth transition between drywall and suspended ceilings (mineral fiber, metal, or wood)
- Extruded aluminum trim provides more crisp-edge detailing compared to conventional roll-formed steel systems
- Axiom® trim is part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today
- Acoustical-to-Drywall Transitions are available straight and curved for perfect fit and finish every time

ARMSTRONG® SOLUTION FEATURES:

- Vector® panels are available straight only for use with full-size Vector panels (field cutting Vector panels can be avoided)
- Elevation change accommodates acoustical-to-acoustical, acoustical-to-drywall, drywall-to-acoustical, drywall-to-drywall height transitions of 1", 2", 4", 6", 8", and 10"
- Compatible with Armstrong® suspension systems and Drywall Grid Systems

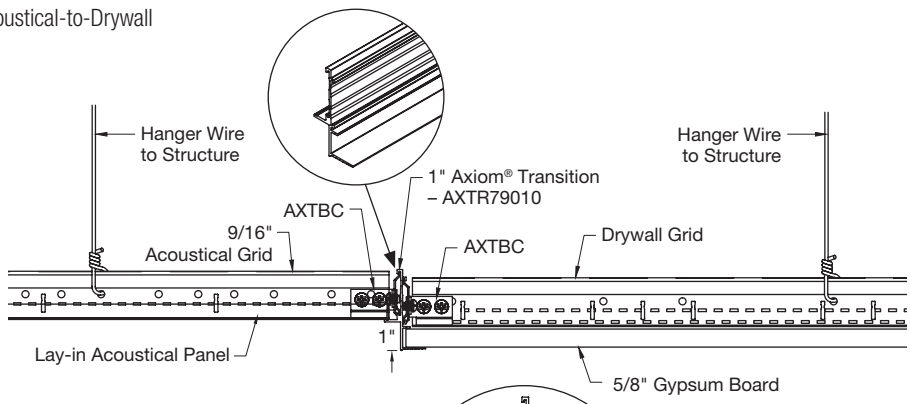
Refer to Pgs. 424-425 for Axiom® Transition details

TRADITIONAL Transition (Elevation Change)

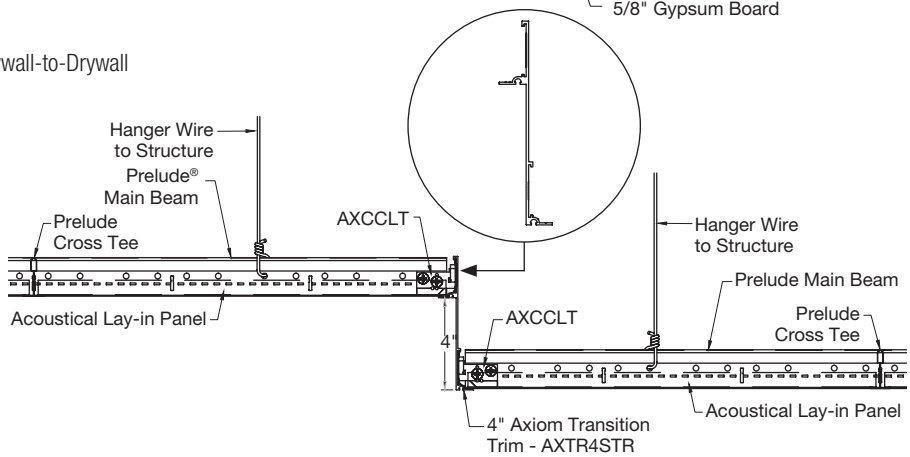


ARMSTRONG® Straight or Curved Transitions (1" to 10" Elevation Change)

Acoustical-to-Drywall



Drywall-to-Drywall



COMMON CONDITION:

F-Molding Transitions Greater Than 10"

F-molding transitions are used for drywall height transitions greater than 10" and can be 48" without dropping a stud.



Large Transitions

ARMSTRONG® SOLUTIONS BENEFITS:

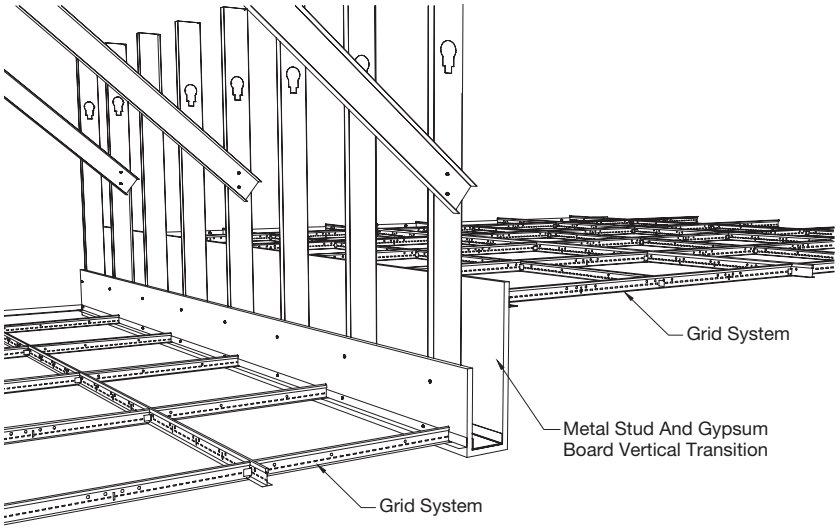
- Rolled-formed steel with integrated mud flange – saving time, material, and labor on vertical transitions
- Acoustical-to-drywall transitions are available straight and curved for perfect fit and finish every time
- Axiom® trim is part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today

ARMSTRONG® SOLUTIONS FEATURES:

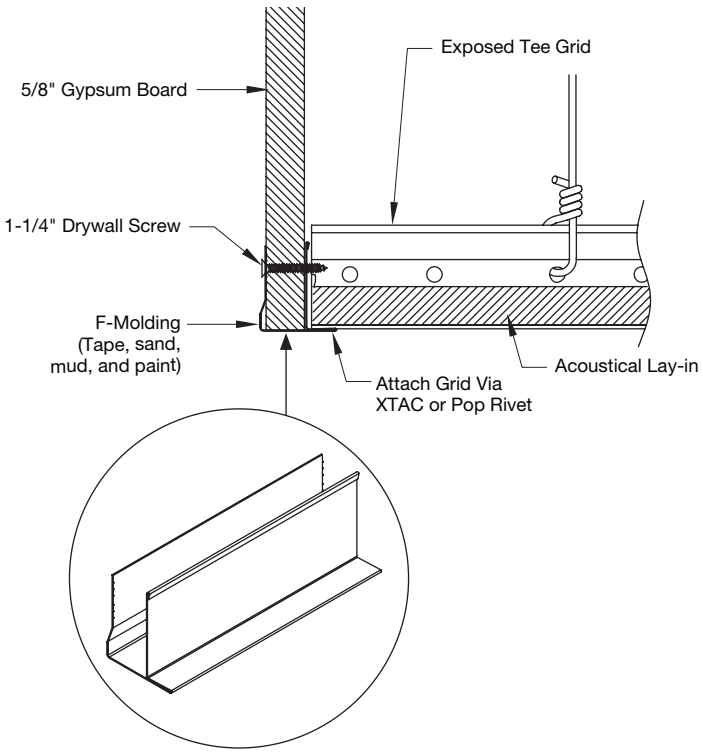
- Accommodates acoustical-to-acoustical, acoustical-to-drywall, drywall-to-drywall, and drywall-to-acoustical
- Height transitions of greater than 10" with F-molding
- Compatible with Armstrong® suspension systems and Drywall Grid Systems

Refer to Pg. 404 for Axiom® Transition Molding details

TRADITIONAL Upturn Transition



ARMSTRONG® Greater Than 10" F-Molding Transitions



COMMON CONDITION:
Bulkheads & Soffits


Soffits

Traditional methods for installation of bulkheads and soffits leave many finishing decisions to be handled on site, making it hard to assure the controls are in place to maintain design intent.

ARMSTRONG® SOLUTIONS BENEFITS:

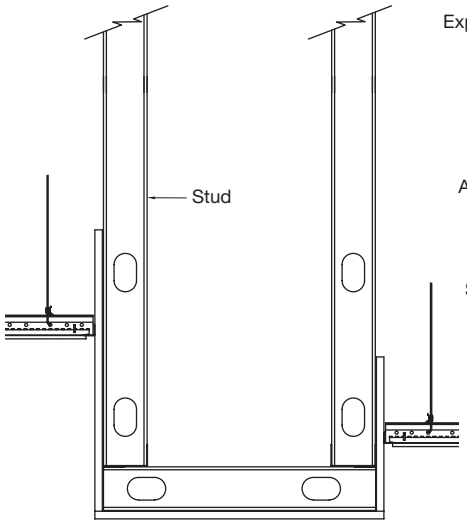
- Pre-engineered systems are designed so you know what the details of finished installations will look like long before the installation takes place
- Systems are tested for fit and finish, and engineered to be code compliant
- Reduce the risk of on-site solutions because fit and finish are controlled and reliable

ARMSTRONG® SOLUTIONS FEATURES:

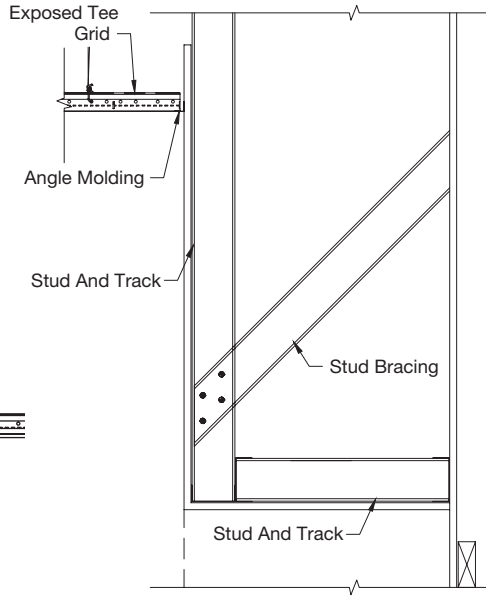
- QuikStix™ Soffit Drywall Framing System guarantees a perfectly crafted 15, 30, 45, 60, or 90-degree angle every time
- Drywall grid is manufactured with additional rout locations to accommodate F-Type Light Fixtures, access panels, and air diffusers
- Engineered to give you design control, while providing a green installation by reducing steel up to 15%

Refer to Pg. 434 for Armstrong® QuickStix™ Soffit Drywall Framing System details

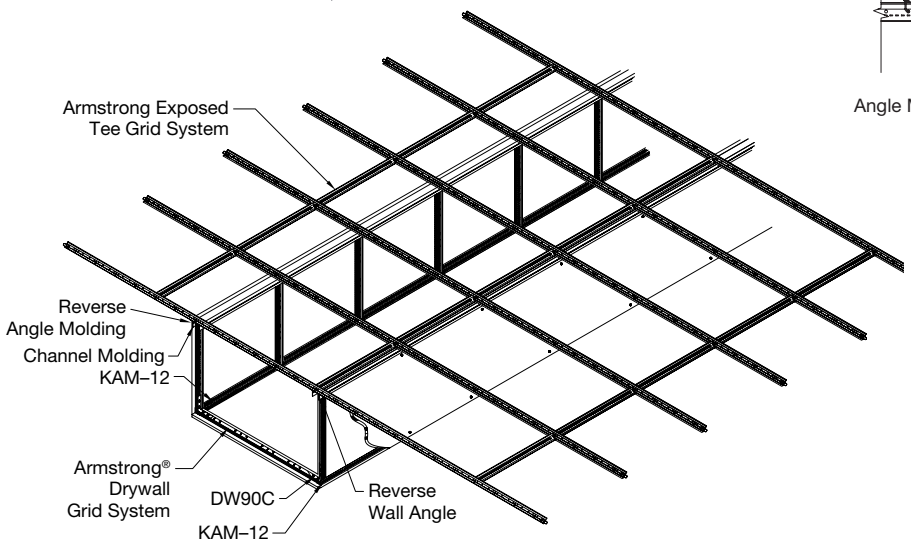
TRADITIONAL Bulkhead/Furrdown



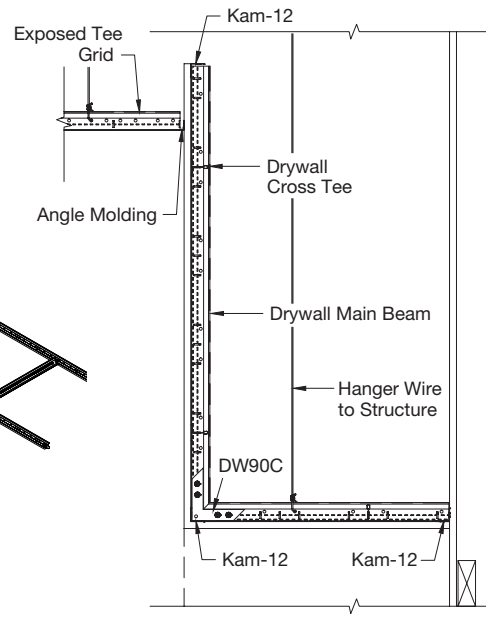
90° Soffit



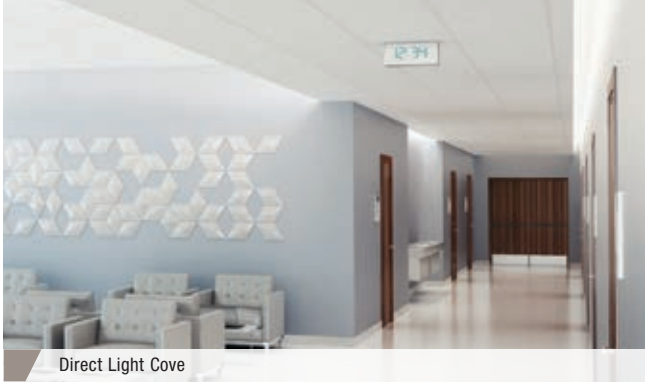
ARMSTRONG® Bulkhead/Furrdown



90° Soffit



COMMON CONDITION:
Direct Light Coves & Pockets


Direct Light Cove

Traditional track and stud drywall installation of light coves into the ceiling plane or at the perimeter can create numerous hurdles in your design intent by not providing predictable performance or perfect integration.

ARMSTRONG® SOLUTIONS BENEFITS:

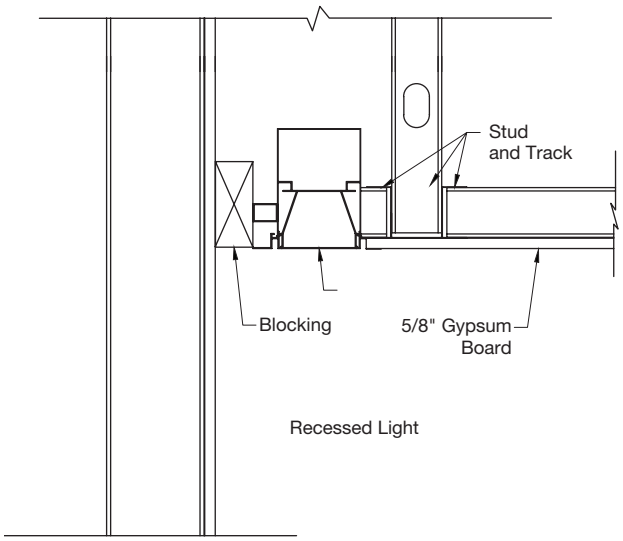
- Fully concealed integrated design installs with all Armstrong® acoustical and drywall suspension systems
- Low-profile design with plug-and-play lighting for shallow plenum corridors or entryways
- Integrated lighting partner (XAL®) makes the complete solution easy to specify and maintain lighting symmetry

ARMSTRONG® SOLUTIONS FEATURES:

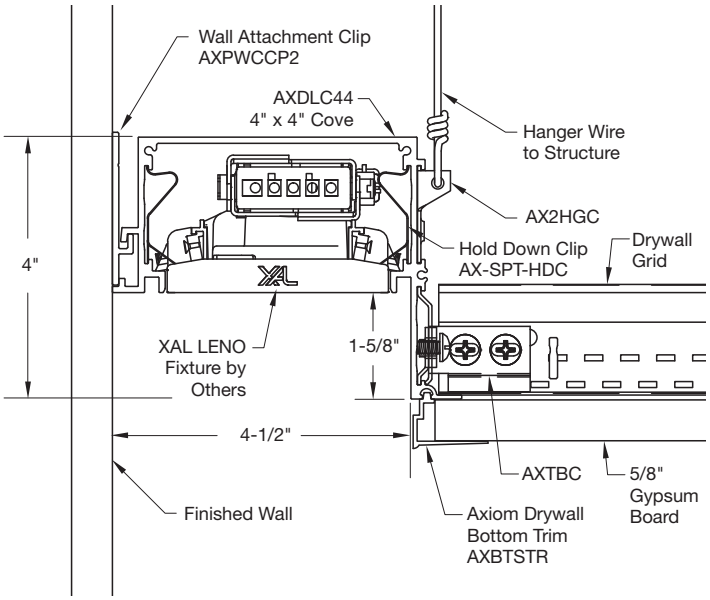
- Pre-engineered, extruded aluminum light cove profiles with integrated XAL® LENO® light fixture
- 4" x 4" and 4" x 6" Direct Light Cove options available
- Installs 90% faster with just 10% of the labor of traditional light coves

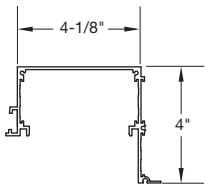
Refer to Pg. 355 for Axiom® Direct Light Cove details

TRADITIONAL Direct Light Cove

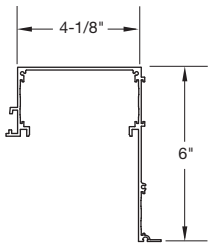


ARMSTRONG® Axiom® Direct Light Cove





4" Direct
Light Cove



6" Direct
Light Cove

XAL® and LENO® are registered trademarks of XAL GmbH

COMMON CONDITION:
Indirect Light Coves & Pockets

Traditional track and stud drywall installation of light coves into the ceiling plane or at the perimeter can create numerous hurdles in your design intent by not providing predictable performance or perfect integration.


Indirect Light Cove

ARMSTRONG® SOLUTIONS BENEFITS:

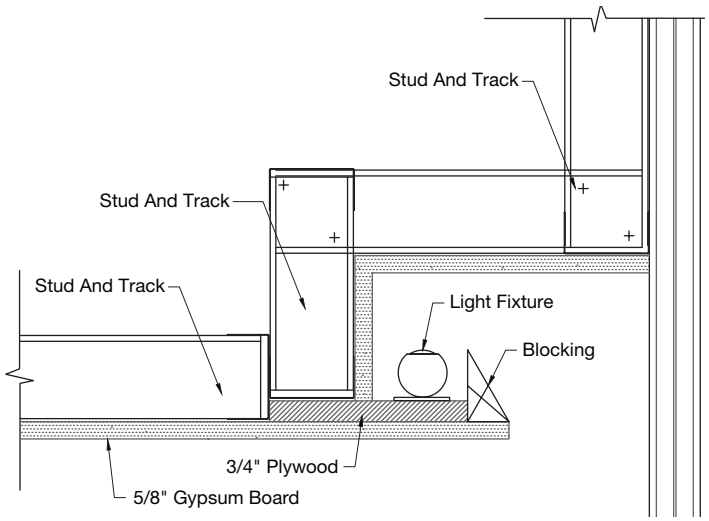
- Offer predictable lighting performance and perfect integration with all Armstrong® suspension systems
- Integrated lighting partners make the complete solution easy to specify and maintain lighting symmetry

ARMSTRONG® SOLUTIONS FEATURES:

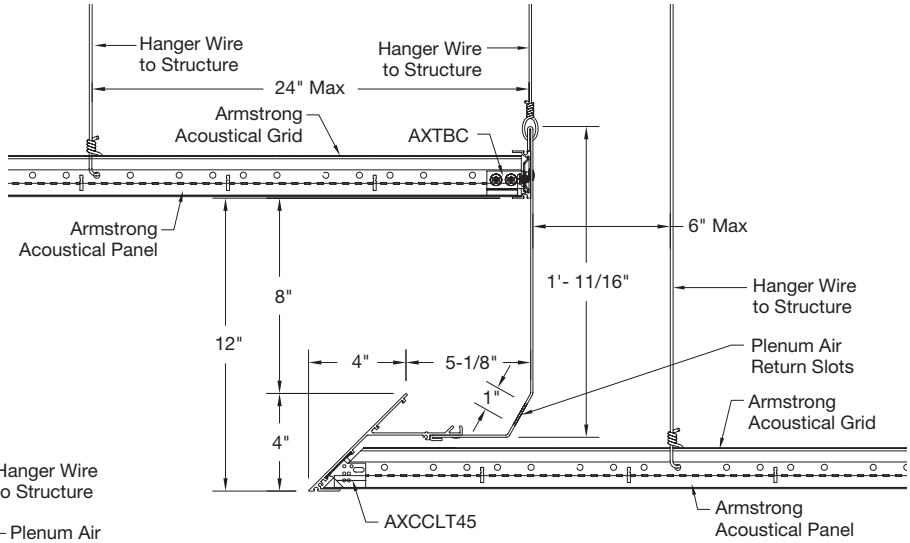
- Variety of options with both Ceiling-to-Wall and Ceiling-to-Ceiling light coves and sizes
- New Knife Edge® profile brings acoustical tile out to the edge of the cove
- Installs 90% faster with just 10% of the labor of traditional light coves

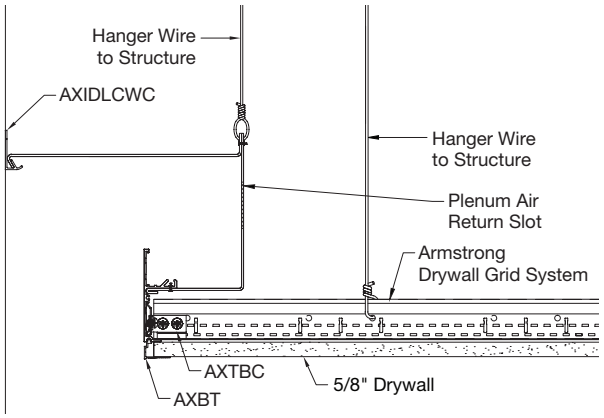
Refer to Pg. 356 for Axiom® Indirect Light Cove details

TRADITIONAL Indirect Light Cove

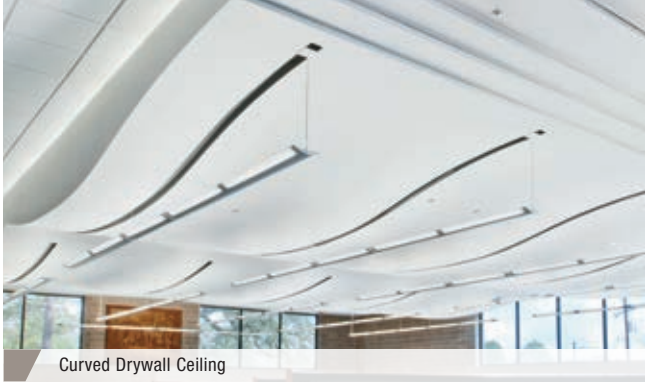


ARMSTRONG® Axiom® Indirect Light Cove





COMMON CONDITION:
Flat & Curved Drywall


Curved Drywall Ceiling

Traditional drywall installation methods leave many finishing decisions to be handled on-site, making it hard to assure the controls are in place to maintain design intent, especially with curved details.

ARMSTRONG® SOLUTIONS BENEFITS:

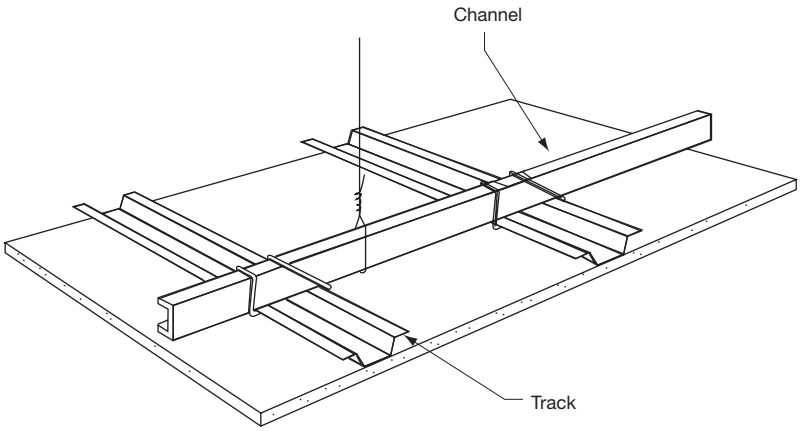
- Ultimate control of the curve – expand your design beyond traditional pre-selected or pre-determined radii
- Simplify the design of corridors, small-room configurations, restrooms, and storage closets
- Engineered to use less steel than traditional drywall ceiling framing methods

ARMSTRONG® SOLUTIONS FEATURES:

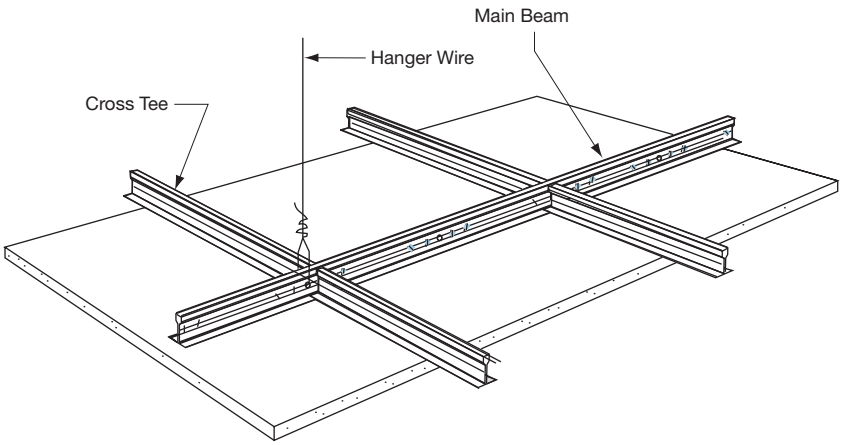
- Create custom radii to suit any design by combining our faceted main beam with our RC2 clip
- Variety of pre-engineered solutions for direct-to-deck installations, vertical drops, and short spans
- Engineered to give you design control, while providing a green installation by reducing steel up to 15%

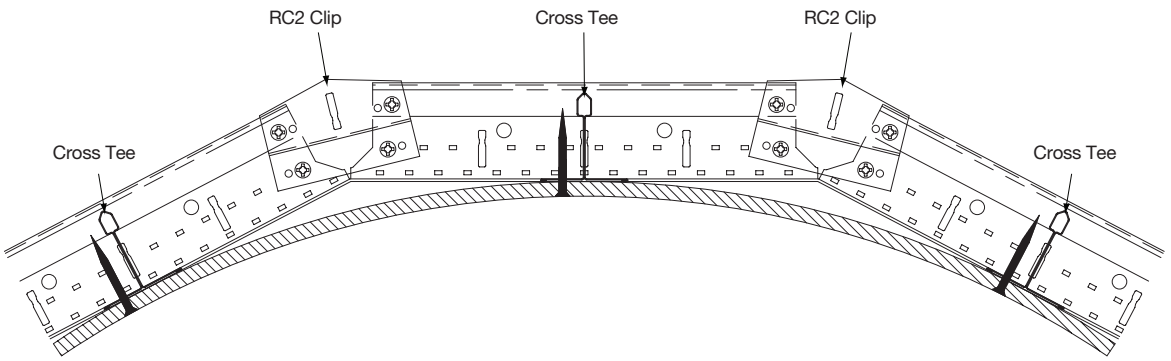
Refer to Pgs. 430-432 for Armstrong® Drywall Grid System details

TRADITIONAL Flat Drywall



ARMSTRONG® Drywall Grid System for Flat and Curved Drywall





Armstrong® CEILING & WALL SOLUTIONS

COMMON CONDITION:
Interior Glass Partitions

Creating the illusion of the glass appearing to pass through ceiling plane is difficult without the proper integrated solutions at your fingertips.


Glass Partition

ARMSTRONG® SOLUTIONS BENEFITS:

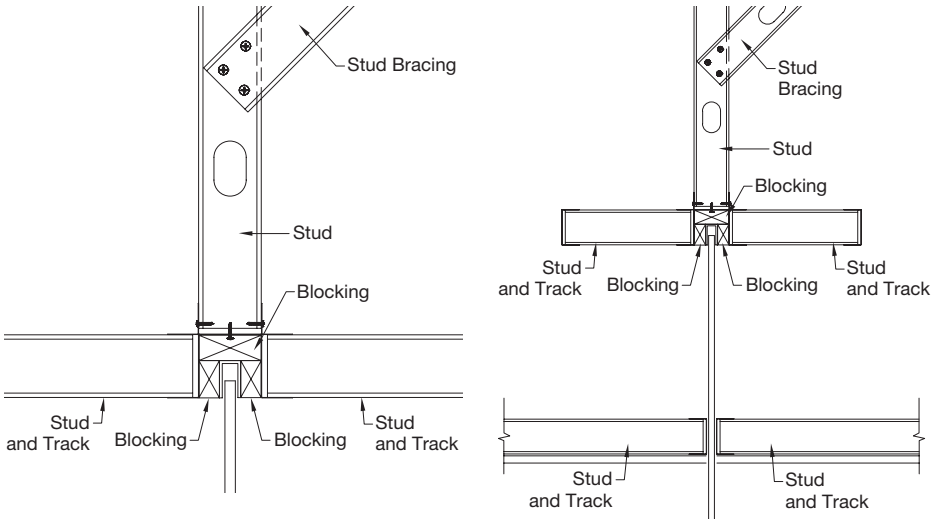
- Integration with all Armstrong® acoustical and drywall ceiling systems for a clean installed visual so glass can disappear into the plenum
- Coordinated fit and finish ensure delivery of design intent
- Completely concealed integration without the need for a drywall bulkhead

ARMSTRONG® SOLUTIONS FEATURES:

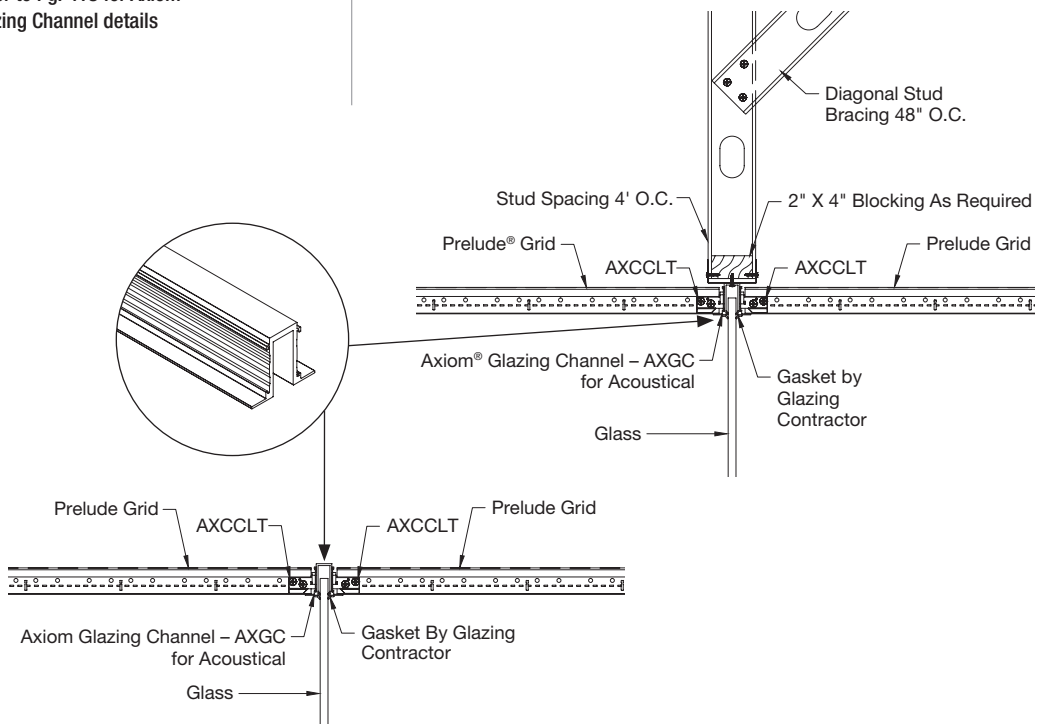
- Five trim profile options to coordinate Lay-in, Tegular, and Vector® ceiling panels and Drywall Grid Systems
- Recessed profiles - use with 3/8" and 1/2" thick interior glass partition walls
- Seismic solution for category D, E, F installations

Refer to Pg. 418 for Axiom® Glazing Channel details

TRADITIONAL Glass Partition Installation



ARMSTRONG® Axiom® Glazing Channel for Glass Partitions



COMMON CONDITION:
Corridors

Crowded or low plenums are always a challenge when designing due to many important components running above the ceiling plane, especially within healthcare applications.


Corridor

ARMSTRONG® SOLUTIONS BENEFITS:

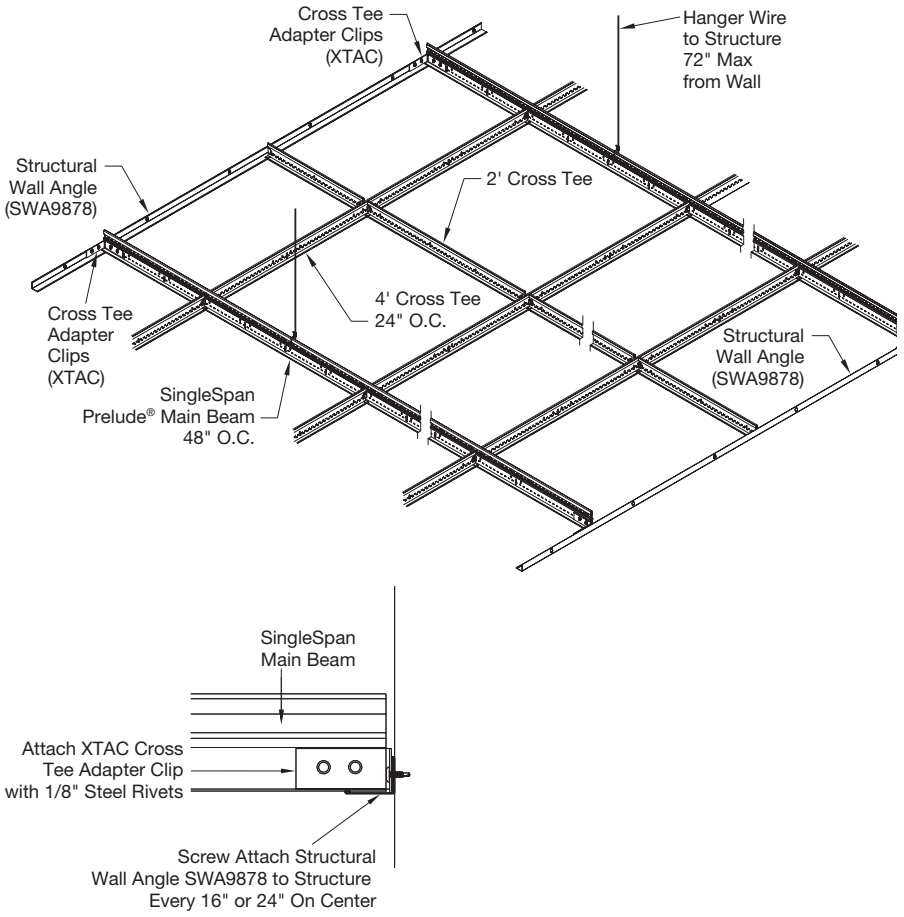
- Reduces or eliminates hanger wires – perfect for healthcare/education spaces with crowded plenums
- SingleSpan™ provides improved access to utilities in the plenum post installation

ARMSTRONG® SOLUTIONS FEATURES:

- Compatible with all Armstrong® heavy-duty suspension main beams using StrongBack™ Support Hangers
- Structural wall angle maximizes the load-carrying performance of SingleSpan
- Seismically tested and approved suspension installation configuration (IAPMO certified, Evaluation Report #0244)

Refer to Pgs. 397-398 for Armstrong® SingleSpan™ Suspension System details

ARMSTRONG® SingleSpan for Acoustical Applications



COMMON CONDITION:
Corridors

Traditional track and stud drywall installation across wide corridors can be difficult and interfere with components above the ceiling plane.


Drywall & Corridor

ARMSTRONG® SOLUTIONS BENEFITS:

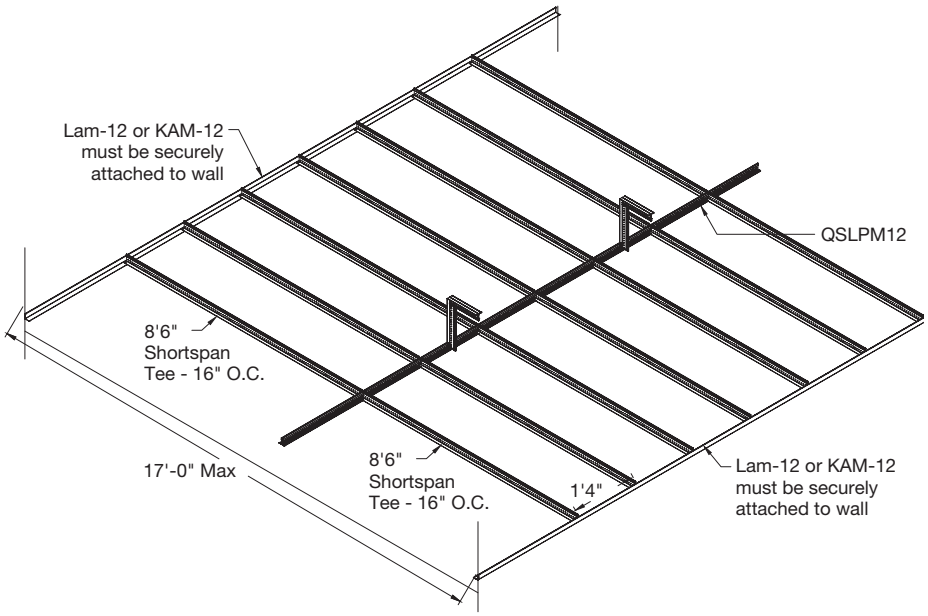
- Reduces or eliminates hanger wires – perfect for spaces with crowded plenums
- Span 5/8" drywall 8'-6" unsupported or up to 17' with StrongBack™ or Locking Pocket Main down the middle
- 2/3 less material (wires to structure & main runners/CRC)
- Improve soffit efficiency

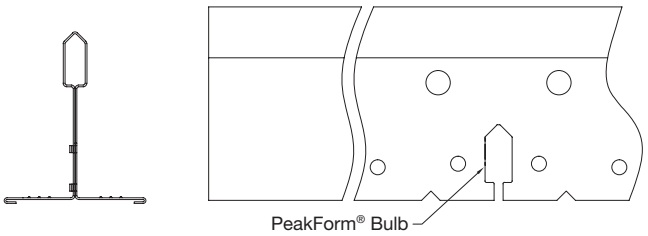
ARMSTRONG® SOLUTIONS FEATURES:

- Compatible with all Armstrong® heavy-duty suspension main beams using StrongBack™ Support Hangers
- Balanced profile stays flat during installation
- Seismically tested and approved suspension installation configuration (IAPMO certified, Evaluation Report #0244)

Refer to Pg. 435 for Armstrong® ShortSpan® Drywall Framing System details

ARMSTRONG® ShortSpan® for Drywall Applications





Integrated Solution Partners



We take great pride in **creating time** for our customers through pre-engineered solutions and integrated partnerships. The result – a wide range of compatible fixtures that include sound masking, lighting, heating, cooling, air diffusers, sprinklers, and shades from our partners. These solutions have been pre-qualified for fit and finish. There is no need to research fixture compatibility for your ceiling layout – we have already done the work for you.

Learn more about our integrated solution partners at:
armstrongceilings.com/partners



Armstrong®
CEILING & WALL SOLUTIONS

INTEGRATED SOLUTION PARTNERS

SOUND MASKING

- cambridge SOUND MANAGEMENT



AIR DIFFUSERS

- Carnes®
- Price Industries®
- Titus®



HEATING & COOLING

- RADIANT ELECTRIC HEAT
- TROX® USA



LIGHTING & FIXTURES

- Axis Lighting
- coeLux
- Corelite
- Focal Point
- i2Systems ADVANCED LED LIGHTING
- inter•lux whitegoods
- JLC • tech
- Kurt Versen
- Linear Lighting
- Litecontrol
- MARK Architectural Lighting™
- Neo-Ray™
- Philips
- RSA Lighting
- Sky Factory
- USAI® Lighting
- Vode
- XAL



SPRINKLER CONNECTIONS

- FLEXHEAD INDUSTRIES



SHADES

- Lutron®



SUSPENSION SYSTEMS, TRIM & DRYWALL GRID

Selector

Product information listed in this chart pertains to general product families, and may not apply to each product item. Before specifying or purchasing products, consult product details on our web site: www.armstrongceilings.com/commercial or call TechLine at 1 877 276-7876.

Improved suspension systems that perform better, carry increased ceiling load, and reduce installation hassles are the result of innovative features like PeakForm® profile and SuperLock™2 main beam clip. PeakForm main beams and cross tees are manufactured with a bulb shape and taller profile to create a stronger, more stable suspension system that will get the job done better. Main beams have an improved load-carrying capacity that exceeds ASTM standards for intermediate and heavy-duty load performance. The PeakForm profile also meets the requirements for installation in all seismic categories, so you can specify it anywhere a 9/16" or 15/16" heavy-duty suspension system is desired.

Main beams also feature SuperLock² – a staked-on clip for a tighter, more secure bulb-to-bulb connection. Main beams with the SuperLock clip can be disconnected and reconnected laterally in low-clearance areas, or in the middle of a room.



Wherever you see the PeakForm icon, you can get the benefits of the PeakForm profile.

SUSPENSION SYSTEMS GENERAL APPLICATIONS	INTERLUDE® XL® HRC 9/16"	(Pgs. 385-386)
	PRELUDE® Concealed 15/16"	(Pg. 387)
	PRELUDE® ML 15/16"	(Pg. 388)
	PRELUDE® XL® 15/16"	(Pgs. 391-392)
	PRELUDE® XL® Fire Guard™ 15/16"	(Pgs. 390)
	PRELUDE® XL® HRC 15/16"	(Pgs. 391-393)
	SILHOUETTE® XL® 9/16"	(Pgs. 395-396)
	SONATA® 9/16"	(Pg. 399)
	SUPRAFINE® ML 9/16"	(Pgs. 400-401)
	SUPRAFINE® XL® 9/16"	(Pgs. 400-401)
	SUPRAFINE® XL® Fire Guard 9/16"	(Pgs. 400-401)
	SUPRAFINE® XL® HRC 9/16"	(Pgs. 400-401)
SUSPENSION SYSTEMS SPECIAL APPLICATIONS	360° PAINTED Grid Suspension System	(Pg. 383)
	CLEAN ROOM™ Co-Extruded Aluminum 15/16", 1-1/2"	(Pg. 384)
	CLEAN ROOM Co-Extruded Steel 15/16"	(Pg. 384)
	PRELUDE Plus XL Aluminum 15/16"	(Pg. 389)
	PRELUDE® Plus XL Fire Guard 15/16"	(Pg. 390)
	PRELUDE Plus XL Stainless Steel 15/16"	(Pg. 389)
	PRELUDE® XL® for Exterior Applications 15/16"	(Pg. 390)
	PRELUDE® XL MAX®	(Pgs. 393-394)
	SINGLESPAN™ Acoustical Corridor Suspension System	(Pgs. 397-398)
AXIOM TRIM	AXIOM® Classic	(Pgs. 415-416)
	AXIOM One Piece for Drywall	(Pg. 417)
	AXIOM Glazing Channel	(Pg. 418)
	AXIOM® for Interlude®	(Pg. 419)
	AXIOM® Knife Edge®	(Pg. 420)
	AXIOM Moldings and Column Rings	(Pg. 427)
	AXIOM Paired	(Pg. 421)
	AXIOM Profiled	(Pg. 422)
	AXIOM Soft Edge	(Pg. 423)
	AXIOM Transitions	(Pgs. 424-425)
	AXIOM® Vector®	(Pg. 426)
DRYWALL SYSTEMS	DRYWALL Grid Systems – Flat	(Pgs. 430-431)
	DRYWALL Grid Systems – Curved	(Pg. 432)
	QUIKSTIX™ Locking Pocket Main Beams	(Pg. 434)
	QUIKSTIX Soffits	(Pg. 433)
	SHORTSPAN® Drywall Framing System	(Pgs. 435-436)

	VISUAL CRITERIA														PERFORMANCE CRITERIA											SPECIAL APPLICATION												
	Face Profile							Colors							Material				Load			Durability																
	Concealed	9/16"	15/16"	1-1/2"	Dimensional Tee	Slotted Tee	Limited Upward Access	Black Reveal	Standard Colors	Metallic Finish	Aluminum Finish	White	Custom Colors	Hot-Dipped Galvanized Steel	Stainless Steel	Aluminum	Co-extruded	Heavy-Duty	Intermediate-Duty	Light-Duty	Humidity/Corrosion Resistance	Chemical/Corrosion Resistance	Fire Resistance **	Seismic Rx® Suspension System*	Clean Rooms	Congested Plenums	Data Centers	Locker Rooms/Shower Rooms	Laboratories	High Humidity/Unconditioned Spaces	Exterior Applications - Wind Uplift	Non-magnetic Areas	Swimming Pools	10-Year Availability	Non-standard Configurations
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Seismic Performance

ARMSTRONG® SEISMIC RX® SUSPENSION SYSTEM SAVES TIME AND MONEY

Armstrong Ceilings offers an ICC-ES evaluated approach to installations (ESR-1308). The **Armstrong® Seismic Rx® Suspension System** offers a labor- and cost-saving method of meeting seismic code without risk of delaying your construction schedule.

IBC Category C:

- Easier to square the system by attaching to adjoining walls
- Tighter, more secure installation
- Eliminate stabilizer bars

IBC Category D, E, F:

- Reduce material costs by using 7/8" molding
- Eliminate stabilizer bars
- Eliminate undesired visual 2" wall molding

ICC-ES Recognizes the Armstrong® Seismic Rx Suspension System as a Code Compliant Solution.

The independent and expert evaluation and confirmation by ICC-ES provide the code official with proven evidence supporting the Armstrong® Seismic Rx® Suspension System as a code-compliant alternative design to current IBC requirements.

The performance of the **Armstrong® Seismic Rx® Suspension System** is based on a specific combination of components and method of installation.

Other manufacturers' components and installation methods were not tested and are not covered in this evaluation. Substitution of other components puts the system at risk and is not allowed by this ESR report.

CATEGORY INSTALLATION REQUIREMENTS

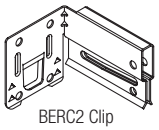
A, B	Ceiling installation should conform to basic minimums established in ASTM C636.
C	To be installed to ASTM E580 recommendations for areas subject to light-to-moderate seismic activity.
D, E, F	Category D, E, and F ceilings are to be installed to ASTM E580 and IBC recommendations for areas subject to severe seismic activity.

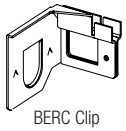
See armstrongceilings.com/seismic for more on seismic performance.

ALTERNATIVE INSTALLATION – CATEGORY C

IBC Requirements	Armstrong® Seismic Rx® Solution	Solution Benefits
• Minimum 7/8" wall molding	• Minimum 7/8" wall molding	• Meets code requirements
• Suspension system must not be attached to the wall molding	• Suspension system may be cut tight and screw attached on two adjoining walls	• Easy to square up the system • Faster, tighter suspension system installation
• Minimum 3/8" clearance on all sides • Minimum 3/8" overlap of suspension system on the wall molding	• Minimum 3/8" clearance on two unattached walls	• Better overall visual
• Ends of main beams and cross tees must be tied together to prevent spreading	• BERC2 or BERC on all suspension systems components	• Eliminates stabilizer bars • Lower cost solution • Better access to the plenum
• Perimeter wires are not needed • Intermediate-duty suspension system	• Perimeter wires are not needed • Intermediate-duty suspension system	• Meets code requirements

NOTE: Requirements for essential use facilities may be different. Contact TechLine for details.

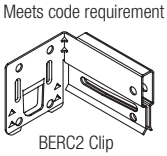

BERC2 Clip


BERC Clip

ALTERNATIVE INSTALLATION – CATEGORY D, E, F

IBC Requirements	Armstrong® Seismic Rx® Solution	Solution Benefits
• Minimum 2" wall molding	• Minimum 7/8" wall molding	• Meets code requirements
• Suspension system must be attached to two adjacent walls (Pop rivets acceptable)	• Suspension system must be attached with BERC2 Clips on two adjacent walls – opposite walls require BERC2 with 3/4" clearance (Eliminates the need for pop rivets through the visible part of the wall molding)[1]	• Eliminates installation and aesthetic problems associated with 2" wall molding
• Opposite walls must have a 3/4" clearance	• BERC2 clip with 3/4" clearance on unattached ends	• BERC2 eliminates visible pop rivets through the wall angle
• Stabilizer bars to prevent the spread of main beams and cross tees • Perimeter support wires	• BERC2 maintains main beam and cross tee spacing; no other components required • Perimeter wires are required	• Eliminates stabilizer bars • Lower cost solution • Better access to the plenum
• Heavy-duty suspension system	• Heavy-duty systems as identified in ICC-ESR-1308 (refer to Suspension Systems)	• Meets code requirement

[1] Pop rivets optional on attached walls


BERC2 Clip

This Icon identifies Armstrong Seismic Rx Suspension System

DEF



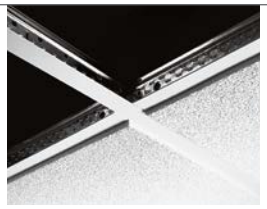
SUSPENSION SYSTEMS

SUSPENSION SYSTEMS

At-a-Glance

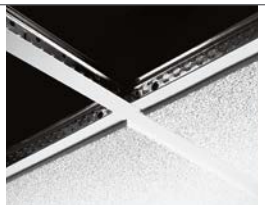
Standard Suspension Systems

EXPOSED TEE SUSPENSION SYSTEMS



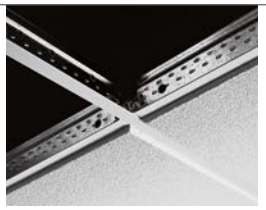
PRELUDE® XL®
PRELUDE XL HRC
FS

Pgs. 391-392



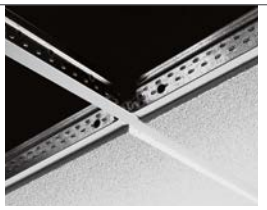
PRELUDE® ML
FS

Pg. 388



SUPRAFINE® XL®
SUPRAFINE XL HRC
FS

Pgs. 400-401



SUPRAFINE® ML
FS

Pgs. 400-401

DIMENSIONAL TEE SUSPENSION SYSTEMS



INTERLUDE® XL®
FS

Pgs. 385-386



SONATA®
FS

Pg. 399

SLOTTED TEE SUSPENSION SYSTEMS



SILHOUETTE® XL 1/4" Reveal
FS

Pg. 395



SILHOUETTE® XL 1/8" Reveal
FS

Pg. 396

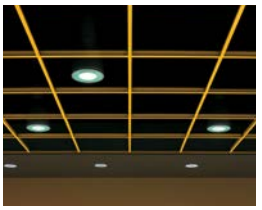
CONCEALED SUSPENSION SYSTEM



PRELUDE®

Pg. 387

PAINTED SUSPENSION SYSTEM



360° PAINTED Grid System

Pg. 383

Look for the FastSize™ Suspension Systems icon for made-to-order Interlude®, Prelude® XL®, Silhouette® XL®, Silhouette® XL® 1/8" Reveal, and Suprafine® XL® suspension systems.

The sizes you want… factory finished… with the route holes you need… one carton minimums… shipped fast!
See "Item No." column on product pages for size availability.

- Factory finished
- Size flexibility from:
  36" – 144" for main beams; 3" – 144" for cross tees
- Fast lead time:
  2 weeks for suspension systems
  24-hour quotes
  24-hour ship confirmation

RAL® is a registered trademark of RAL gGmbH

SUSPENSION SYSTEMS

At-a-Glance

Special Application Suspension Systems

ENVIRONMENTAL TEE SUSPENSION SYSTEM



PRELUDE® PLUS XL® Aluminum,
PRELUDE® PLUS XL Stainless Steel
PRELUDE® PLUS XL Fire Guard™
PRELUDE® XL for Exterior Applications

Pgs. 389-390

CLEAN ROOM SUSPENSION SYSTEM



CLEAN ROOM™

Pg. 384

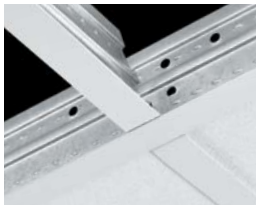
CORRIDOR SUSPENSION SYSTEM



SINGLESPAN™ Acoustical FS

Pgs. 397-398

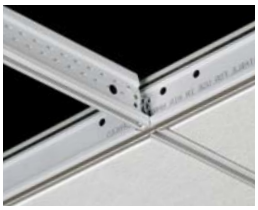
DATA CENTER SUSPENSION SYSTEM



PRELUDE® XL Max®

Pgs. 393-394

DC FLEXZONE® SUSPENSION SYSTEMS



SILHOUETTE® XL®
(Featured in Integrated Ceiling Solutions)



SUPRAFINE® XL®
(Featured in Integrated Ceiling Solutions)

Pgs. 345-346

Pgs. 345-346

ICON KEY

Icons are used throughout the catalog to help you quickly identify key product attributes.

Fire Resistance

Available in fire-resistive options (Fire Guard™); tested in specific UL floor/ceiling or roof/ceiling construction design assemblies.

Humidity/Corrosion Resistance

HumiGuard® Plus

Recommended for areas subject to high humidity, up to, but including, standing water.

HumiGuard Max

Maximum humidity resistance.

Chemical/Corrosion Resistance

Seismic Rx® Suspension System

Category D, E & F

Sustainability

Product is part of Sustain™ Portfolio and meets the most stringent sustainability compliance standards today.

Color Availability

Available in color.

COLORS Due to printing limitations, shade may vary from actual product.

NOTE: Suspension system colors to coordinate with MetalWorks™ Tin, Tincraft™ faux finishes, and custom-painted panels are "S" Service items and available upon request.

Standard

White (WH)
Cream (CR)
Haze (HA)
Adobe (AD)
Platinum (PL)
Tech Black (BL)
Stainless Steel (SS)
Silver Grey (SG)
Gun Metal Grey (MY)
Silver Satin (SA)

Premium

Camel (CM)
White Aluminum (WA)††
Natural Aluminum (NA)††
Copper (CP)
Silver (SL)

†† Capping only

RAL® & Custom Colors Available

Powder Coated

Blizzard White (ZW)

NOTE: Blizzard White finish is also available on select Axiom® Classic, Knife Edge®, and Vector® trim profiles

Colorations®* (For Suprafine XL suspension systems only.)

White (WH)
Shell (SH)
Pale Lemon (LM)
Pecan (PC)
Sky (SK)
Moss (MS)
Stone (SE)
Reef (RE)
Lagoon (LA)
Plum (PM)
Cranberry (CN)
Kiwi (KW)
Tangerine (TG)
Black (BK)

* For more information about Colorations® Colors refer to page 241.

360° PAINTED GRID

Suspension System

30% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
		✓	✓	✓					✓	✓			

▲ LOCATION DEPENDENT



360° Painted Grid System RAL® 1033 with Axiom® Classic Perimeter Trim (Pgs. 389-390)

This 15/16" or 9/16" profile suspension system is used to define open plenum spaces, or used as decorative accent on clouds and canopies.

KEY SELECTION ATTRIBUTES

- Helps to define space in an open/exposed plenum concept
- Provides a structure to hang signage or lights, and creates transitions for speakers and HVAC
- Available in Suprafine® 9/16" and Prelude® 15/16" profiles
- **PeakForm®** profile increases strength and stability for improved performance during installation
- **SuperLock™** main beam clip is engineered for a strong, secure connection and fast, accurate alignment confirmed with an audible click; easy to remove/relocate
- Hot-dipped galvanized coating inhibits red rust better than electrogalvanized or painted systems
- 2.0 mil thick powder coating on all components***
- Choice of more than 180 colors; matte and gloss finishes***
- XL® staked-on end detail provides secure locked connection; easy to remove, reuse, and relocate
- 10-Year Limited Warranty



RAL® & Custom Colors Available

VISUAL SELECTION / PERFORMANCE / PACKAGING

Face Profile	Item No.	Description	Dimensions (Inches)	Hanger Spacing* Lbs./LFT		Fire Guard™	Seismic Category DEF	LFT/ Ctn.
360° Painted – Powder-Coated Paint – (made to order)				4 Ft.	5 Ft.		Dots represent high level of performance.	
Prelude® XL®								
15/16"	**56418†**	12' HD Main Beam	144 x 15/16 x 1-11/16"	16.50	8.73	–	•	240
15/16"	**56421†**	4' Cross Tee	48 x 15/16 x 1-11/16"	10.34	–	–	–	240
15/16"	**56419†**	2' Cross Tee	24 x 15/16 x 1-11/16"	51.83	–	–	–	120
Suprafine® XL								
9/16"	**7501†**	12' HD Main Beam	144 x 9/16 x 1-11/16"	16.86	10.62	–	•	240
9/16"	**XL7540†**	4' Cross Tee	48 x 9/16 x 1-11/16"	10.34	–	–	–	240
9/16"	**XL7520†**	2' Cross Tee	24 x 9/16 x 1-11/16"	51.83	–	–	–	120
Molding								
7/8"	**7800†**	12' Hemmed Angle Molding	144 x 7/8 x 7/8"	–	–	–	–	360
360° Painted – Baked Polyester Paint (clips are not painted)								
Prelude XL (only)								
15/16"	**730136****	12' HD Main Beam	144 x 15/16 x 1-11/16"	16.73	8.73	–	•	240
15/16"	**XL734036****	4' Cross Tee	48 x 15/16 x 1-11/16"	12.25	–	–	–	240
15/16"	**XL732036****	2' Cross Tee	24 x 15/16 x 1-11/16"	61.33	–	–	–	120
Molding								
7/8"	**780036****	12' Hemmed Angle Molding	144 x 7/8 x 7/8"	–	–	–	–	360

* Simple Span
** Items 730136, XL734036, XL732036, and 780036 are available in Black and White only with baked polyester paint finish. Baked polyester paint finish system clips are not painted on main beam or cross tee. Touch-up paint available upon request.
*** Powdered-coated paint only
† Metric items available

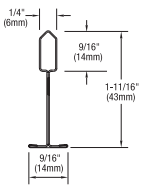
ASTM Class
HD - Heavy-duty
ID - Intermediate-duty
LD - Light-duty

DETAILS



Powder Coated

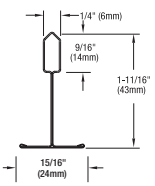
360° Painted 9/16" Cross Tee and Main Beam





Baked Polyester

360° Painted 15/16" Cross Tee and Main Beam



LEED® is a registered trademark of the U.S. Green Building Council
RAL® is a registered trademark of RAL gGmbH

Armstrong® CEILING & WALL SOLUTIONS

30% STEEL 91% ALUMINUM RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓, construction waste mgmt ✓, regional materials ✓, design for flexibility ✓, EPD ✓, recyclable/ extended producer resp. ✓, biobased materials, recycled content ✓, sourcing of raw materials ✓, material ingredient reporting, low emitting/ materials ✓, lighting quality, acoustics

▲ LOCATION DEPENDENT

CLEAN ROOM™ Steel/Aluminum

15/16" and 1-1/2" Exposed Tee System

This suspension system with integral gasket is designed specifically for clean rooms, food processing areas, and data centers.



Clean Room™ suspension system

KEY SELECTION ATTRIBUTES

- Suitable for use in Class 5 (Class 100 clean rooms as defined by ISO Standard 14644-1 (Federal Standard 209E) when used with Clean Room™ FL, Clean Room VL, Health Zone™ Ultima®, and Health Zone™ Optima®
- Seismic Rx® Suspension System; ICC-ES approach to installations (ESR-1308)
- Integral gasket for better seal between panel and grid
- Integral main beam splice for easy connections and module control
- XL® staked-on end detail
- Rotary-stitched for additional torsion strength
- 10-year limited warranty; 30-year with **HumiGuard® Plus**

TYPICAL APPLICATIONS

- Laboratories / Clean Rooms
- Pharmaceutical facilities / hospitals
- Automotive and aerospace
- Computer rooms / data centers
- Food processing facilities
- MRI suites (co-extruded aluminum only)

COLORS

White (WH)

VISUAL SELECTION

Aluminum – maximum corrosion resistance

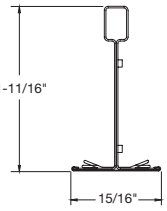
Face Profile	Item No.	Description	Rout Spacing	Dimensions (Inches)	Hanger Spacing* Lbs./LFT 2 Ft.	4 Ft.	5 Ft.	PERFORMANCE Fire Guard™	Seismic Category DEF	PACKAGING Pcs./ Ctn.	LFT/ Ctn.
CLEAN ROOM Co-Extruded Steel (Gasketed)								Dots represent high level of performance.			
15/16"	**ES7901**	12' HD Main Beam	12" O.C.	144 x 15/16 x 1-11/16"	–	18.33	–	–	•	20	240
15/16"	**ES7940**	4' Cross Tee	24" O.C.	48 x 15/16 x 1-11/16"	–	16.83	–	–	–	60	240
15/16"	**ES7920**	2' Cross Tee	–	24 x 15/16 x 1-11/16"	60.83	–	–	–	–	60	240
15/16"		**Other Sizes** Main beams L: 36" – 144" / Cross tees L: 6" – 144" / Rout spacing 3" from ends, 6" thereafter								Varies	Varies
	ES7801	12' Hemmed Angle Molding		144 x 15/16 x 15/16"						30	360
CLEAN ROOM Co-Extruded Aluminum (Gasketed)											
15/16"	**EA7900**	12' ID Main Beam	12" O.C.	144 x 15/16 x 2"	–	12.25	–	–	–	20	240
15/16"	**EA7940**	4' Cross Tee	24" O.C.	48 x 15/16 x 2"	–	15.32	–	–	–	60	240
15/16"	**EA7920**	2' Cross Tee	–	24 x 15/16 x 2"	66.62	–	–	–	–	60	120
15/16"		**Other Sizes** Main beams L: 36" - 144" / Cross tees L: 6" - 144" / Rout spacing 3" from ends, 6" thereafter								Varies	Varies
	EA7812	12' Hemmed Angle Molding		144 x 15/16 x 15/16"						30	360
CLEAN ROOM 1-1/2" Co-Extruded Aluminum (Gasketed)											
1-1/2"	**EA7903**	12' HD Main Beam	12" O.C.	144 x 1-1/2 x 2"	–	16.7	8.4	–	•	12	144
1-1/2"	**EA7947**	4' Cross Tee	24" O.C.	48 x 1-1/2 x 2"	–	17.66	–	–	–	36	144
1-1/2"	**EA7927**	2' Cross Tee	–	24 x 1-1/2 x 2"	60.55	–	–	–	–	36	72
	EA7813	12' Hemmed Angle Molding		144 x 15/16 x 15/16"						30	360
Accessories (For additional accessories see Pgs. 379-380)											
–	**CHDC**	Clear Hold Down Clip	–	–	–	–	–	–	–	50	–
–	**XTAC**	Cross Tee Adapter Clip	–	–	–	–	–	–	–	100	–
–	**BERC2**	Steel Beam End Retaining Clip	–	–	–	–	–	–	–	200	–
–	**ALBERC2**	Aluminum Beam End Retaining Clip	–	–	–	–	–	–	–	200	–

* Simple Span

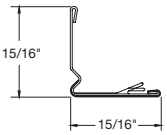
DETAILS

For more information, see submittal BPCS-3070 (Aluminum) or BPCS-4121 (Steel).

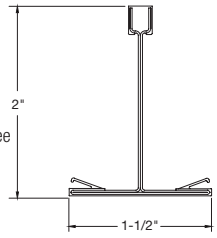
15/16" Main Beam and Cross Tee



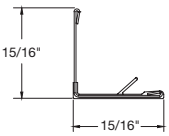
Clean Room Angle Molding for use with 15/16" Clean Room Suspension System



1-1/2" Aluminum Main Beam and Cross Tee



Clean Room Angle Molding for use with 1-1/2" Clean Room Suspension System



LIGHT FIXTURES

NOTE: Specify light fixtures designed to install with 2" web height suspension systems.

Compatible Light Fixtures:

MANUFACTURER	ITEM #
Lithonia	CLRM-150 SRT-2x4_F MP4270
Philips-Guth	KLEENSEAL KRT 200
Morlite	CRGHEPA24 Series

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INTERLUDE® XL®
High Recycled Content
9/16" Dimensional Tee System

10-YEAR REPLACEMENT AVAILABILITY



Interlude® XL® suspension system

This dimensional 9/16" suspension system offers high-recycled content for improved LEED® credits

KEY SELECTION ATTRIBUTES

- Hot-dipped galvanized coating inhibits red rust better than electrogalvanized or painted systems
- Interlude® XL® is part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today
- XL staked-on end detail provides secure locked connection
- Unmitered intersections for flexibility of cross tee placement
- Accommodates virtually any fixture, especially 1' x 4' light fixtures and air handling
- 10-Year Limited System Warranty; 30-Year Limited Ceiling Systems Warranty when used with **HumiGuard® Plus** products
- Some items available in metric sizes
- **FastSize**™ main beams and cross tees can be ordered with special sizing and rout spacing for your project needs in one carton minimum with two-week lead times
- Blizzard White powder-coated finish coordinates with Calla®, Optima®, Ultima®, and Lyra® ceiling panels for a clean, seamless, monolithic installed visual
- Linear lighting integration is easy with made-to-order main-beam-to-cross-tee adapters, rout spacing, miter spacing, and short cross tees (3" to 6" lengths).

COLORS

Standard White (WH)

Powder-Coated Finish Blizzard White (ZW) Items with ❖

VISUAL SELECTION

PERFORMANCE

PACKAGING

Face Profile	Item No. ◆	Description	Rout Spacing	Dimensions (Inches)	Hanger Spacing* Lbs./LFT				Fire Guard™	Seismic Category DEF	Pcs./ Ctn.	LFT/ Ctn.
Interlude® XL®					1 Ft.	2 Ft.	4 Ft.	5 Ft.	Dots represent high level of performance.			
9/16"	**6100HRC_ _❖**	12' ID Main Beam	6" O.C.	144 x 9/16 x 1-3/4"	–	–	12.6	–	–	–	20	240
9/16"	**6101HRC_ _❖**	12' HD Main Beam	6" O.C.	144 x 9/16 x 1-3/4"	–	–	16.79	–	–	•	20	240
9/16"	**XL6180HRC_ _❖**	8' Cross Tee	12" O.C.	96 x 9/16 x 1-3/4"	–	–	12.6	–	–	•	20	160
9/16"	**XL6190HRC_ _❖**	6' Cross Tee	12" O.C.	72 x 9/16 x 1-3/4"	–	–	12.6	–	–	•	20	120
9/16"	**XL6150AHRC_ _❖**	5' Cross Tee	6", 20", 30"	60 x 9/16 x 1-3/4"	–	–	–	5.8	–	•	60	300
9/16"	**XL6140HRC_ _❖**	4' Cross Tee	12" O.C.	48 x 9/16 x 1-3/4"	3.0	–	12.6	–	–	•	60	240
9/16"	**XL6170HRC_ _❖**	2.5' Cross Tee	–	30 x 9/16 x 1-3/4"	38.8	–	–	–	–	•	60	100
9/16"	**XL6120HRC_ _❖**	2' Cross Tee	–	24 x 9/16 x 1-3/4"	–	66.89	–	–	–	•	60	120
9/16"	**XL6110HRC_ _❖**	1' Cross Tee	–	12 x 9/16 x 1-3/4"	66.89	–	–	–	–	•	120	120
9/16"	FS **FastSize™**	Main beams L: 36" - 144" / Cross tees L: 6" - 144" / Rout spacing 3" from ends, 6" thereafter									Varies	Varies

* Simple Span

❖ All items available in Blizzard White powder-coated finish

◆ When specifying or ordering items with a color or finish, add the two-letter suffix to the end of the item number (e.g., 6101HRC Z W – Blizzard White)

FS **FastSize**: Factory-finished, made-to-order sizes, shipped fast (1 carton min.)

ASTM Class
HD - Heavy-duty
ID - Intermediate-duty
LD - Light-duty

SUSPENSION SYSTEMS

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Armstrong® CEILING & WALL SOLUTIONS

INTERLUDE® XL®
High Recycled Content
9/16" Dimensional Tee System

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

UP TO 61% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt; regional materials; design for flexibility; EPD; recyclable/ extended producer resp.; biobased materials; recycled content; sourcing of raw materials; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE

PACKAGING

Face Profile	Item No. ◆	Description	Rout Spacing	Dimensions (Inches)	Hanger Spacing* Lbs./LFT 1 Ft.	2 Ft.	4 Ft.	5 Ft.	Fire Guard™	Seismic Category DEF	Pcs./ Ctn.	LFT/ Ctn.
Interlude® XL® HRC items for TechZone® Ceiling Systems									Dots represent high level of performance.			
9/16"	**6195AHRC_ _❖**	126" HD Main Beam	10", 30", 50", 70", 90", 110", 116"	126 x 9/16 x 1-3/4"	–	–	16.79	–	–	•	20	210
9/16"	**6127AHRC_ _❖**	120" HD Main Beam	15", 42", 48", 75", 102", 108"	126 x 9/16 x 1-3/4"	–	–	16.79	–	–	•	20	210
9/16"	**XL6164AHRC_ _❖**	54" Cross Tee	6", 27", 48"	54 x 9/16 x 1-3/4"	–	–	9.2 at 4.5'	–	–	•	60	270
9/16"	**XL6162HRC_ _❖**	42" Cross Tee	–	42 x 9/16 x 1-3/4"	–	–	20 at 3.5'	–	–	•	60	210
9/16"	**XL6167HRC_ _❖**	27" Cross Tee	–	27 x 9/16 x 1-3/4"	–	49.32	–	–	–	•	60	135
9/16"	**XL6106HRC_ _❖**	6" Cross Tee	–	6 x 9/16 x 1-3/4"	–	–	–	–	–	•	60	30
9/16"	**XL6104HRC_ _❖**	4" Cross Tee	–	4 x 9/16 x 1-3/4"	–	–	–	–	–	•	60	20

NOTE: Additional Interlude XL items for TechZone® Ceiling Systems are listed in the TechZone Technical Guide (BPCS-4486). Available online at armstrongceilings.com/techzone

ASTM Class
HD - Heavy-duty
ID - Intermediate-duty
LD - Light-duty

Face Profile	Item No. ◆	Description	Length	(A) Flange	(B) Flange	(C) Reveal	(D) Reveal	Pcs./ Ctn.	LFT/ Ctn.
Suggested Wall Moldings and Shadow Moldings (Additional molding options available. See catalog Pgs. 376-378)									
7/8"	**7800HRC_ _❖**	12' Hemmed Angle Molding	144"	7/8"	7/8"	–	–	30	360
new 9/16"	**7889**	12' Hemmed Angle Molding	144"	9/16"	7/8"	3/8"	1/4"	30	300
9/16"	**7804HRC_ _❖**	12' Hemmed Angle Molding	144"	9/16"	7/8"	–	–	30	300
9/16"	**7873_ _❖**	10' Shadow Molding	120"	9/16"	15/16"	3/8"	–	30	300
9/16"	**7874_ _❖**	10' Shadow Molding	120"	9/16"	15/16"	1/4"	–	30	300
new 15/16"	**7888**	10' Shadow Molding	120"	15/16"	15/16"	3/8"	1/4"	30	300
15/16"	**7877_ _❖****	10' Seismic Shadow Molding	120"	15/16"	15/16"	1/4"	–	30	300
15/16"	**7878_ _❖****	10' Seismic Shadow Molding	120"	15/16"	15/16"	3/8"	–	30	300

* Simple Span
** Suitable for Category D, E, F Seismic Installation with BERC2 Clip
❖ All items available in Blizzard White powder-coated finish
◆ When specifying or ordering items with a color or finish, add the two-letter suffix to the end of the item number (e.g., 7804 Z W – Blizzard White)

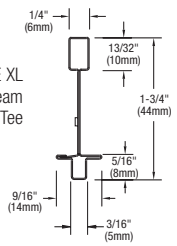
ACCESSORIES
For accessories see pages 405-406

DETAILS
For more information, see submittal BPCS-4329.

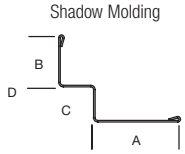

INTERLUDE XL Main Beam


INTERLUDE XL Cross Tee

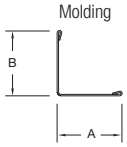
INTERLUDE XL Main Beam and Cross Tee



Shadow Molding



Hemmed Angle Molding



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Armstrong® CEILING & WALL SOLUTIONS

UP TO 30% RECYCLED CONTENT

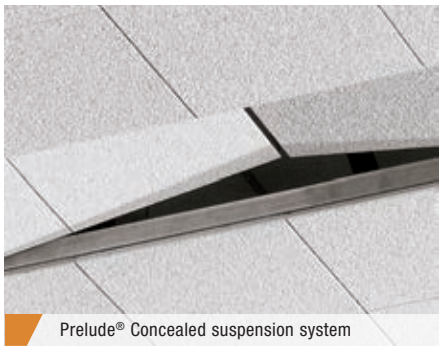
Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt ✓; regional materials ✓; design for flexibility ✓; EPD ✓; recyclable/ extended producer resp.; biobased materials; recycled content ✓; sourcing of raw materials ✓; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

PRELUDE® Concealed
Tee System

Sophisticated slotted suspension system with a narrow 1/4" reveal.



Prelude® Concealed suspension system

KEY SELECTION ATTRIBUTES

- **PeakForm®** profile increases strength and stability
- **SuperLock™** main beam clip is engineered for a strong, secure connection
- Hot-dipped galvanized coating inhibits red rust
- 10-Year Limited Warranty; 30-Year Limited Warranty with **HumiGuard® Plus** products
- Rotary-stitched for additional torsional strength and extra stability

COLORS

White (WH): 7301, 7300, ML7343, XL7342, ML7323, XL7328, 7835, 7830

Unpainted: 7446, 7426, 7447, 7427, 7486, 7445, 7425, 7870, 7428, 7418

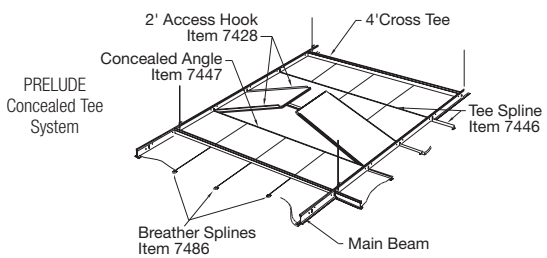
VISUAL SELECTION / PERFORMANCE / PACKAGING

Face Profile	Item No.	Description	Dimensions (Inches)	Hanger Spacing* Lbs./LFT 4 Ft.	Hanger Spacing* Lbs./LFT 5 Ft.	Fire Guard™	Seismic Category	Pcs./ Ctn.	LFT/ Ctn.
Prelude® Concealed									
15/16"	**7301**	12' HD Main Beam	144 x 15/16 x 1-11/16"	16.50	8.73	–	–	20	240
15/16"	**7300**	12' ID Main Beam	144 x 15/16 x 1-11/16"	12.80	6.35	–	–	20	240
15/16"	**ML7343**	4' Cross Tee	48 x 15/16 x 1-1/2"	9.00	–	–	–	60	240
15/16"	**XL7342**	4' Cross Tee	48 x 15/16 x 1-1/2"	9.00	–	–	–	60	240
15/16"	**ML7323**	2' Cross Tee	24 x 15/16 x 1-1/2"	38.63	–	–	–	60	120
15/16"	**XL7328**	2' Cross Tee	24 x 15/16 x 1-3/8"	38.63	–	–	–	60	120
3/4"	**7446**	4' Tee Spline	48 x 3/4 x 7/8"	–	–	–	–	125	500
7/8"	**7426**	2' Tee Spline	24 x 3/4 x 7/8"	–	–	–	–	125	250
7/16"	**7447**	4' Concealed Angle	48 x 7/16 x 1-1/4"	–	–	–	–	75	300
7/16"	**7427**	2' Concealed Angle	24 x 7/16 x 1-1/4"	–	–	–	–	150	300
Suggested Molding (Additional molding options available. See Pages 376-378)									
7/8"	**7835**	10' Channel Molding	120 x 7/8 x 1-3/4 x 9/16"	–	–	–	–	20	200
15/16"	**7830**	10' Channel Molding	120 x 15/16 x 1-15/16 x 15/16"	–	–	–	–	16	160
Accessories									
–	**7445**	4' Stabilizer Bar	48"	–	–	–	–	100	400
–	**7425**	2' Stabilizer Bar	24"	–	–	–	–	100	200
–	**7486**	Breather Spline	11"	–	–	–	–	500	–
7/16"	**7428**	2' Access Hook	24 x 7/16 x 1-1/4"	–	–	–	–	300	300
7/16"	**7418**	1' Access Hook	12 x 7/16 x 1-1/4"	–	–	–	–	150	300
–	**7870**	Spring Border Clip	–	–	–	–	–	1,000	–

* Simple Span

ASTM Class
HD - Heavy-duty
ID - Intermediate-duty
LD - Light-duty

DETAILS For more information, see submittal BPCS-3347.



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Armstrong® CEILING & WALL SOLUTIONS

PRELUDE® ML

15/16" Exposed Tee System

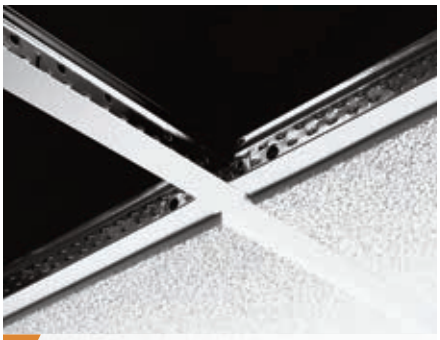
UP TO 30% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt; regional materials; design for flexibility; EPD; recyclable/ extended producer resp.; biobased materials; recycled content; sourcing of raw materials; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

A 15/16" suspension system with hook-end details.



Prelude® ML suspension system

KEY SELECTION ATTRIBUTES

- **PeakForm®** profile increases strength and stability for improved performance during installation
- Prelude® ML is part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today
- **SuperLock™** main beam clip is engineered for a strong, secure connection and fast, accurate alignment confirmed with an audible click; easy to remove/relocate
- Hot-dipped galvanized coating inhibits red rust better than electrogalvanized or painted systems
- Rotary-stitched during manufacture for additional torsional strength and extra stability during installation
- Hook staked-on end detail provides secure locked connection; easy to remove, reuse, and relocate
- 10-Year Limited Warranty; 30-Year Limited Warranty with **HumiGuard® Plus** products
- Main beams and cross tees can be ordered with special sizing and rout spacing for your project needs

COLORS

Standard

White (WH)

Tech Black (BL)

Powder-Coated Finish

Blizzard White (ZW)

COLOR AND FINISH SELECTION

Standard

White (WH); Cream (CR); Haze (HA); Camel (CM); Platinum (PL); Tech Black (BL)

Premium

White Aluminum (WA)††; Natural Aluminum (WA)††

Powder-Coated Finish

Blizzard White (ZW)

NOTE: Items 7809 and 7875 available in White (WH) only.
NOTE: Color chips included with samples of Armstrong® Grid. See your Armstrong Ceilings representative for sample material.

VISUAL SELECTION / PERFORMANCE / PACKAGING

Face Profile	Item No. ◆	Description	Dimensions (Inches)	Hanger Spacing* Lbs./LFT		Fire Guard™	Seismic Category	Pcs./ Ctn.	LFT/ Ctn.
Prelude® ML				4 Ft.	5 Ft.				
15/16"	**7301 _ _❖**	12' HD Main Beam	144 x 15/16 x 1-11/16"	16.73	8.73	–	–	20	240
15/16"	**7300❖**	12' ID Main Beam	144 x 15/16 x 1-11/16"	13.50	6.35	–	–	20	240
15/16"	**7302❖**	10' ID Main Beam	120 x 15/16 x 1-11/16"	13.50	6.35	–	–	20	200
15/16"	**ML7357❖**	5' Cross Tee	60 x 15/16 x 1-11/16"	–	7.61	–	–	60	300
15/16"	**ML7343 _ _❖**	4' Cross Tee	48 x 15/16 x 1-1/2"	7.80	–	–	–	60	240
15/16"	**ML7323 _ _❖**	2' Cross Tee	24 x 15/16 x 1-1/2"	38.63	–	–	–	60	120
Suggested Molding (Additional molding options available. See pages 376-378)									
7/8"	**7800 _ _❖**	12' Hemmed Angle Molding	144 x 7/8 x 7/8"	–	–	–	–	30	360
15/16"	**7809**	12' Hemmed Angle Molding	144 x 15/16 x 15/16"	–	–	–	–	30	360
9/16"	**7835**	10' Hemmed Channel Molding	120 x 7/8 x 1-3/4 x 9/16"	–	–	–	–	20	200

* Simple Span
❖ All items available in Blizzard White powder-coated finish
◆ When specifying or ordering, add 2-letter color suffix to item number (ex. 7301 B L)

ASTM Class
HD - Heavy-duty
ID - Intermediate-duty
LD - Light-duty

DETAILS

For more information, see submittal BPCS-3346.

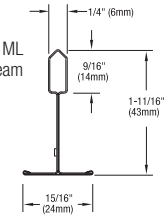


PRELUDE ML Main Beam

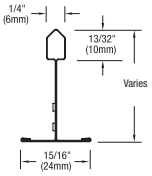


PRELUDE ML Cross Tee

PRELUDE ML Main Beam



PRELUDE ML Cross Tee



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PRELUDE® Plus XL® Aluminum
PRELUDE® Plus XL® Stainless Steel
Environmental Tee System

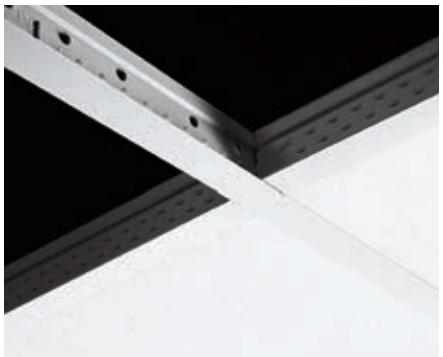
30% STEEL 91% ALUMINUM RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

▲ LOCATION DEPENDENT

These steel and aluminum 15/16" suspension systems are designed for severe environmental performance.



Prelude® Plus XL® Aluminum suspension system

KEY SELECTION ATTRIBUTES

- **Seismic Rx®** Suspension System saves time and money; an ICC-ES approach to installations (ESR-1308)
- Systems conform to ASTM C635 for severe environmental performance
- 10-Year Limited Warranty; 30-Year Limited Warranty with **HumiGuard® Plus or HumiGuard® Max** products
- Special sizing and rout spacing available
- Rotary-stitched for torsional strength and stability
- XL® staked-on end detail provides secure locked connection

PRELUDE® Plus XL® Aluminum

- Maximum moisture resistance

PRELUDE® Plus XL® Stainless Steel

- Type 304, non-magnetic, stainless steel; withstands corrosive agents
- Peel-off protective film on exposed surfaces prevents scuffing and marking

TYPICAL APPLICATIONS

PRELUDE Plus XL Aluminum

- Indoor swimming pools with proper ventilation
- Non-magnetic areas/MRI suites

PRELUDE Plus XL Stainless Steel

- Food preparation, storage, manufacturing, and packaging areas
- Laboratories
- Chemical processing

COLORS

Aluminum

White Aluminum (WA)

Natural Aluminum (NA)

Steel

Stainless Steel (SS)

VISUAL SELECTION / PERFORMANCE / PACKAGING

Face Profile	Item No. ◆	Description	Dimensions (Inches)	Hanger Spacing* Lbs./LFT			Fire Guard™	Seismic Category	Pcs./ Ctn.	LFT/ Ctn.
Prelude® Plus® XL Aluminum				2 Ft.	3 Ft.	4 Ft.	Dots represent high level of performance.			
15/16"	**AL7200_ _**	12' LD Main Beam	144 x 15/16 x 1-1/2"	–	13.47	6.33	–	–	20	240
15/16"	**XLAL7240_ _**	4' Cross Tee	48 x 15/16 x 1-1/2"	–	–	6.33	–	–	60	240
15/16"	**XLAL7220_ _**	2' Cross Tee	24 x 15/16 x 1-1/2"	44.45	–	–	–	–	60	120
15/16"	**Other Sizes** Main beams L: 36" - 144" / Cross tees L: 6" - 144" / Rout spacing 3" from ends, 6" thereafter								Varies	Varies
Molding										
7/8"	**AL7801_ _**	10' Hemmed Angle Molding	120 x 7/8 x 7/8"	–	–	–	–	–	30	300
Prelude Plus XL Stainless Steel										
15/16"	**SS7200**	12' ID Main Beam	144 x 15/16 x 1-1/2"	–	–	12.23	–	–	20	240
15/16"	**XLSS7240**	4' Cross Tee	48 x 15/16 x 1-1/2"	–	–	10.4	–	–	60	240
15/16"	**XLSS7220**	2' Cross Tee	24 x 15/16 x 1-1/2"	61.66	–	–	–	–	60	120
15/16"	**Other Sizes** Main beams L: 36" - 144" / Cross tees L: 6" - 144" / Rout spacing 3" from ends, 6" thereafter								Varies	Varies
Molding										
7/8"	**SS7801**	10' Hemmed Angle Molding	120 x 7/8 x 7/8"	–	–	–	–	–	30	300
Accessories										
	ALBERC2	Aluminum Beam End Retaining Clip		–	–	–	–	–	200	–

* Simple Span

◆ Add 2-letter color suffix to item number when specifying or ordering (ex. AL7200N A)

ASTM Class
HD - Heavy-duty
ID - Intermediate-duty
LD - Light-duty

DETAILS

For more information, see submittal BPCS-3155 (Prelude Plus XL Aluminum) or BPCS-3154 (Prelude Plus XL Stainless Steel).

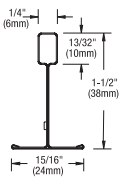


PRELUDE Plus XL Aluminum Cross Tee

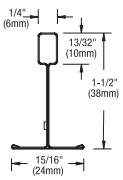


PRELUDE Plus XL Stainless Steel Cross Tee

PRELUDE Plus XL Aluminum Main Beam and Cross Tee



PRELUDE Plus XL Stainless Steel Main Beam and Cross Tee



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Armstrong® CEILING & WALL SOLUTIONS

PRELUDE® Plus XL® Fire Guard™
PRELUDE® XL® for Exterior Applications

Exposed Tee System

10-YEAR REPLACEMENT AVAILABILITY

UP TO 30% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt; regional materials; design for flexibility; EPD; recyclable/extended producer resp.; biobased materials; recycled content; sourcing of raw materials; material ingredient reporting; low emitting/materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

A 15/16" suspension system for severe environmental performance.



Prelude® Plus XL® suspension system

KEY SELECTION ATTRIBUTES

- **Seismic Rx®** Suspension System saves time and money; ICC-ES approach to installations (ESR-1308)
- Systems conform to ASTM C635 for Severe Environmental Performance
- Rotary-stitched during manufacture for torsional strength and stability
- 10-Year Limited Warranty; 30-Year Limited Warranty with **HumiGuard® Plus or HumiGuard® Max** products
- XL® staked-on end detail provides secure locked connection
- **PeakForm®** profile increases strength and stability
- **SuperLock™** main beam clip engineered for secure connection and fast, accurate alignment

PRELUDE® XL® For Exterior Applications

- Minimum G90 hot-dipped galvanized steel with prefinished G90 steel capping
- Suitable for wind uplift applications with appropriate bracing

PRELUDE® Plus XL® Fire Guard™

- Systems are minimum G60 hot-dipped galvanized steel with prefinished aluminum capping for enhanced corrosion resistance

TYPICAL APPLICATIONS

PRELUDE Plus XL Fire Guard

- Locker rooms
- Food preparation areas

PRELUDE XL For Exterior Applications

- Non-exposed exterior corridors
- Drive-thru areas
- Indoor parking garages

COLORS

Fire Guard™

White Aluminum (WA)

Natural Aluminum (NA)

Exterior

White (WH)

VISUAL SELECTION

Face Profile	Item No. ◆	Description	Dimensions (Inches)	Hanger Spacing* Lbs./LFT			PERFORMANCE Fire Guard	PERFORMANCE Seismic Category	PACKAGING Pcs./ Ctn.	PACKAGING LFT/ Ctn.
Prelude® Plus XL® Fire Guard™ (Red Numbers are Fire Guard Items)				**2 Ft.**	**4 Ft.**	**5 Ft.**	Dots represent high level of performance.			
15/16"	**HD8201_ _**	12' HD Main Beam	144 x 15/16 x 1-11/16"	12.75	16.73	–	•	•	20	240
15/16"	**XL8240_ _**	4' Cross Tee	48 x 15/16 x 1-1/2"	12.75	–	–	•	•	60	240
15/16"	**XL8223_ _**	2' Cross Tee	24 x 15/16 x 1-1/2"	38.63	–	–	•	•	60	120
Molding										
7/8"	**HD7801_ _**	10' Hemmed Angle Molding	120 x 7/8 x 7/8"	–	–	–	–	–	30	300
Prelude XL for Exterior Applications										
15/16"	**7301G90A**	12' HD Main Beam	144 x 15/16 x 1-11/16"	–	16.50	6.92	–	•	20	240
15/16"	**7301G90ABL**	12' HD Main Beam – Black	144 x 15/16 x 1-11/16"	–	16.50	6.92	–	•	60	240
15/16"	**XL7341G90A**	4' Cross Tee	48 x 15/16 x 1-11/16"	–	16.59	–	–	•	60	240
15/16"	**XL7341G90ABL**	4' Cross Tee – Black	48 x 15/16 x 1-11/16"	–	16.59	–	–	•	60	240
15/16"	**XL7321G90A**	2' Cross Tee	24 x 15/16 x 1-11/16"	–	74.38	–	–	•	60	120
15/16"	**XL7321G90ABL**	2' Cross Tee – Black	24 x 15/16 x 1-11/16"	–	74.38	–	–	•	60	120
Molding										
7/8"	**HD7801G90**	10' Hemmed Angle Molding	120 x 7/8 x 7/8"	–	–	–	–	–	30	300
7/8"	**HD7801G90BL**	10' Hemmed Angle Molding – Black	120 x 7/8 x 7/8"	–	–	–	–	–	30	300
Accessories										
2"	**BACG90A**	Wind Uplift Clip	N/A	–	–	–	–	–	250	–
	UHDC	Universal Hold-down Clip	N/A	–	–	–	–	–	1000	–

* Simple Span

◆ Add 2-letter color suffix to item number when specifying or ordering (ex. HD8201W A)

ASTM Class
HD - Heavy-duty
ID - Intermediate-duty
LD - Light-duty

DETAILS

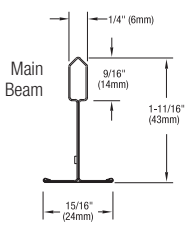
For more information on Prelude Plus XL Fire Guard, see submittal BPCS-3156. Prelude XL for exterior applications and wind uplift chart see BPCS-3384.



PRELUDE XL Main Beam



PRELUDE XL Cross Tee



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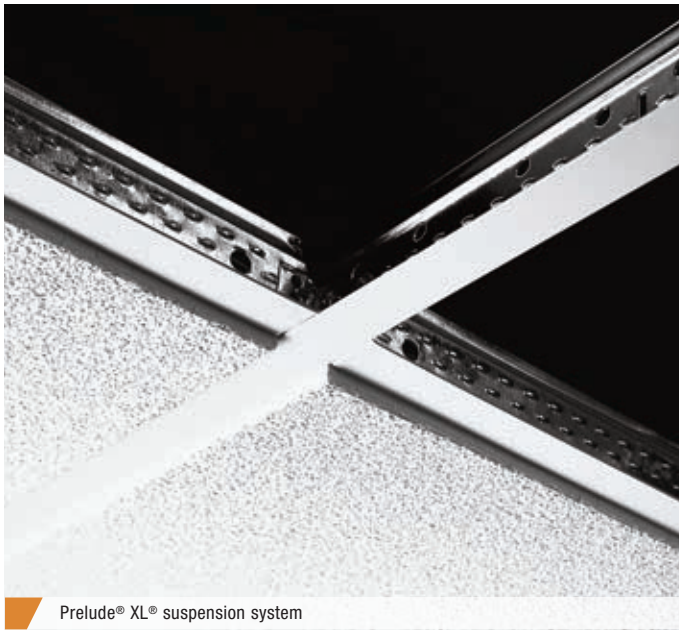
PRELUDE® XL®
PRELUDE XL High Recycled Content
Exposed Tee System

10-YEAR REPLACEMENT AVAILABILITY



Prelude® XL® suspension system

This hot-dipped galvanized steel 15/16" suspension system offers high recycled content for improved LEED® credits.

KEY SELECTION ATTRIBUTES

- **Seismic Rx®** Suspension System saves time and money; Armstrong Ceilings offers an ICC-ES approach to installations (ESR-1308)
- Prelude® XL® is part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today
- **PeakForm®** profile increases strength and stability for improved performance during installation
- **SuperLock™** main beam clip is engineered for a strong, secure connection and fast, accurate alignment confirmed with an audible click; easy to remove/relocate
- Hot-dipped galvanized coating inhibits red rusting better than electrogalvanized or painted systems
- 10-Year Limited System Warranty; 30-Year Limited Ceiling Systems Warranty when used with **HumiGuard® Plus** products
- **FastSize™** main beams and cross tees can be ordered with special sizing and rout spacing for your project needs in one carton minimum with two-week lead times
- Available with TrioGuard™ coating that resists dirt, bacteria, mold, mildew, and color fading
- XL® staked-on end detail provides secure locked connection; easy to remove, reuse, and relocate
- Fire Guard™ options offer UL design fire-rated performance
- Blizzard White powder-coated finish coordinates with Calla®, Optima®, Ultima®, and Lyra® ceiling panels for a clean, seamless, monolithic installed visual.
- Linear lighting integration is easy with made-to-order main-beam-to-cross-tee adapters, rout spacing, miter spacing, and short cross tees (3" to 6" lengths).

COLORS

Standard

White (WH) · White with TrioGuard™ Coating (WH3G) · Cream (CR) · Haze (HA) · Adobe (AD) · Platinum (PL) · Tech Black (BL) · Silver Grey (SG) · Gun Metal Grey (MY) · Silver Satin (SA)

Powder-Coated Finish

Blizzard White (ZW)◆

RAL & Custom Colors Available

Premium

Camel (CM) · White Aluminum (WA)†† · Natural Aluminum (NA)†† · Copper (CP) · Bronze (BZ) · Pewter (PW) · Silver (SL)

◆ Capping only
NOTE: Items 8300, XL8340, XL8323 available in Black (BL) or White (WH) only

VISUAL SELECTION

Face Profile	Item No. ◆	Description	Rout Spacing	Dimensions (Inches)	Hanger Spacing* Lbs./LFT 4 Ft.	5 Ft.	PERFORMANCE Fire Guard™	Seismic Category	PACKAGING Pcs./ Ctn.	LFT/ Ctn.
Prelude® XL® (Red Numbers are Fire Guard™ Items)							Dots represent high level of performance.			
15/16"	**7301**_ _† ††	12' HD Main Beam	6" O.C.	144 x 15/16 x 1-11/16"	16.73	8.73	–	•	20	240
	7301HRC						–	•	20	240
	8301						•	•	20	240
15/16"	**7300**_ _❖ ††	12' ID Main Beam	6" O.C.	144 x 15/16 x 1-11/16"	13.5	6.35	–	–	20	240
	8300_ _†						•	–	20	240
15/16"	**7305**_ _❖	140" HD Main Beam	10" O.C.	140 x 15/16 x 1-11/16"	10.73	8.73	–	•	20	233
15/16"	**7306**_ _❖	132" HD Main Beam	10", 30", 50", 56", 76", 96", 116", 122"	132 x 15/16 x 1-11/16"	16.73	8.73	–	•	20	220
15/16"	**7307**_ _❖	126" HD Main Beam	10", 30", 50", 70", 90", 110", 116"	126 x 15/16 x 1-11/16"	–	–	–	•	20	210
15/16"	**7302**_ _❖	10' ID Main Beam	6" O.C.	120 x 15/16 x 1-11/16"	13.5	6.35	–	–	20	200
15/16"	**XL7380**_ _❖	8' Cross Tee	12" O.C.	96 x 15/16 x 1-11/16"	12.12**	–	–	•	20	160
15/16"	**XL7390**_ _❖	6' Cross Tee	12" O.C.	72 x 15/16 x 1-11/16"	12.24*	–	–	•	20	120

* Simple Span
** Hanger Wire Support Mid-Span
† Items available in Standard, Premium, and Blizzard White powder-coated finish
†† Items available with TrioGuard™ coating in White (WH3G)
❖ Items available in Blizzard White powder-coated finish
◆ When specifying or ordering items with a color or finish, add the two-letter suffix to the end of the item number (e.g., 7301HA – Haze)

NOTE: Additional Prelude XL items for TechZone® Ceiling Systems are listed in the TechZone Technical Guide (BPCS-4486).
Available online at armstrongceilings.com/techzone

ASTM Class
HD - Heavy-duty
ID - Intermediate-duty
LD - Light-duty

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Armstrong® CEILING & WALL SOLUTIONS

PRELUDE® XL®
PRELUDE XL High Recycled Content
Exposed Tee System

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

UP TO 63% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED® energy management | construction waste mgmt | regional materials | design for flexibility | EPD | recyclable/extended producer resp. | biobased materials | recycled content | sourcing of raw materials | material ingredient reporting | low emitting/materials | lighting quality | acoustics

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE

PACKAGING

Face Profile	Item No. ◆	Description	Rout Spacing	Dimensions (Inches)	Hanger Spacing* Lbs./LTF		Fire Guard™	Seismic Category	Pcs./ Ctn.	LFT/ Ctn.
Prelude® XL® (Red Numbers are Fire Guard™ Items)					4 Ft.	5 Ft.	Dots represent high level of performance.			
15/16"	**XL7357_ _❖**	5' Cross Tee	6", 12", 24", 30", 36", 48", 54"	60 x 15/16 x 1-11/16"	–	7.61	–	•	60	300
15/16"	**XL7358_ _❖**	5' Cross Tee	6", 20", 30", 40", 50"	60 x 15/16 x 1-11/16"	–	7.61	–	•	60	300
15/16"	**XL7341_ _❖ ††**	4' Cross Tee	12" O.C.	48 x 15/16 x 1-11/16"	16.89	–	–	•	60	240
	XL7341HRC						–	•	60	240
	XL8341						•	•	60	240
15/16"	**XL7340_ _❖**	4' Cross Tee	12" O.C.	48 x 15/16 x 1-11/16"	12.25	–	–	•	60	240
	XL8340_ _†						•	•	60	240
15/16"	**XL7342_ _† ††**	4' Cross Tee	12" O.C.	48 x 15/16 x 1-1/2"	7.8	–	–	•	60	240
15/16"	**XL7348_ _❖**	4' Cross Tee	12" O.C.	48 x 15/16 x 1-3/8"	6.78	–	–	•	60	240
15/16"	**XL7330_ _†**	3' Cross Tee	–	36 x 15/16 x 1-11/16"	20.3 at 3'	–	–	•	60	180
15/16"	**XL7378_ _❖**	30" Cross Tee	–	30 x 15/16 x 1-3/8"	16.54 at 2.5'	–	–	•	60	150
15/16"	**XL7328_ _† ††**	2' Cross Tee	–	24 x 15/16 x 1-3/8"	36.0 at 2'	–	–	•	60	120
	XL8323_ _†						•	•	60	120
15/16"	**XL8320HRC**	2' Cross Tee	–	24 x 15/16 x 1-11/16"	61.33 at 2'	–	–	•	60	120
	XL8320 ††						•	•	60	120
15/16"	**XL7368_ _❖**	20" Cross Tee	–	20 x 15/16 x 1-3/8"	36.0 at 1.67'	–	–	•	60	100
15/16"	**XL7398_ _❖**	18" Cross Tee	–	18 x 15/16 x 1-3/8"	–	–	–	•	60	90
15/16"	**XL7318_ _❖**	1' Cross Tee	–	12 x 15/16 x 1-3/8"	36.0 at 1'	–	–	•	120	120
15/16"	**XL7304_ _❖**	4" Cross Tee	–	4 x 15/16 x 1-3/8"	–	–	–	•	60	20
15/16"	**FS FastSize™**	Main beams L: 36" - 144" / Cross tees L: 3" - 144" / Route spacing 3" from ends, 6" thereafter					–	–	Varies	Varies

FS FastSize: Factory-finished, made-to-order sizes, shipped fast (1 carton min.)

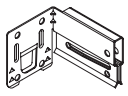
Item No. ◆	Description	Length	(A) Flange	(B) Height	(C) Reveal	(D) Reveal	Pcs./ Ctn.	LFT/ Ctn.
Molding								
7800_ _† ††	12' Hemmed Angle Molding	144"	7/8"	7/8"	–	–	30	360
7800HRC								
7808_ _❖††	10' Hemmed Angle Molding	120"	2"	2"	–	–	10	100
780812_ _❖	12' Hemmed Angle Molding	144"	2"	2"	–	–	10	120
7807	10' Hemmed Angle Molding	120"	2"	1"	–	–	10	100
7875_ _❖	10' Shadow Molding	120"	3/4"	15/16"	1/2"	–	30	300
7877_ _❖* **	10' Shadow Molding	120"	15/16"	15/16"	1/4"	–	30	300
7878_ _❖* **	10' Shadow Molding	120"	15/16"	15/16"	3/8"	–	30	300
7897_ _❖* **	10' Shadow Molding	120"	15/16"	15/16"	1/2"	–	30	300
new **7888**	10' Shadow Molding	120"	9/16"	15/16"	3/8"	1/4"	30	300
new **7850_ _❖**	10' Hemmed Angle Molding	120"	1-1/8"	7/8"	–	–	30	300
new **7851_ _❖**	12' Hemmed Angle Molding	144"	1-1/8"	7/8"	–	–	30	360

* Simple Span ** Hanger Wire Support Mid-Span *** Suitable for IBC Category D,E,F installations using Armstrong® Seismic Rx® suspension system and BERC2 Clip
† Items available in Standard, Premium, and Blizzard White powder-coated finish
†† Items available with TrioGuard™ coating in White (WH3G)
❖ Items available in Blizzard White powder-coated finish
◆ When specifying or ordering items with a color or finish, add the two-letter suffix to the end of the item number (e.g., 7800HA – Haze)

ASTM Class
HD - Heavy-duty
ID - Intermediate-duty
LD - Light-duty

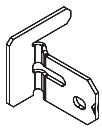
ACCESSORIES

BERC2 – 2" Beam End Retaining Clip – Allows you to create a code-compliant Seismic D, E, F ceiling installation while eliminating the need to use 2" wall molding or spreader bars. **ALBERC2** (Aluminum)



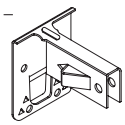
BERC2 (Steel) – 200 pcs **ALBERC2** (Aluminum) – 200 pcs
FZBERC2 (Steel) – 50 pcs **FZALBERC2** (Aluminum) – 50 pcs

STAC – Single Tee Adapter Clip – Used to create code compliant non-seismic and seismic C and D, E, F off-module main beam to cross tee connections.



STAC – 120 pcs
FZSTAC – 50 pcs

GCWA – Grip Clip Wall Attachment – Joins main beam or cross tee to wall molding via locking barbs without pop rivets or screws.



GCWA – 250 pcs
FZGCWA – 50 pcs

DETAILS

For more information, see submittal CS-3344.

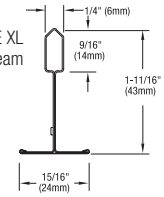


PRELUDE XL Main Beam

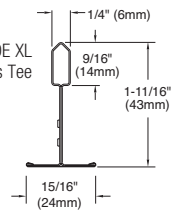


PRELUDE XL Cross Tee

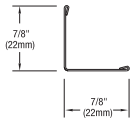
PRELUDE XL Main Beam



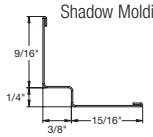
PRELUDE XL Cross Tee



7/8" Hemmed Angle Molding



15/16" Hemmed Shadow Molding



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PRELUDE® XL MAX®

Exposed Tee System



Prelude® XL Max® suspension system

This suspension system is designed to offer maximum air flow management, load-carrying capacity, and adaptability in data center applications.**

KEY SELECTION ATTRIBUTES

Prelude® XL Max® 15/16" Suspension System

- **PeakForm®** profile increases strength and stability for improved performance during installation
- Supports point loads up to 300 lbs. using 3/8" threaded rod and integrated hanging clips to provide:
  - Flexible and reconfigurable overhead cable tray and electrical distribution without a separate strut channel system
  - Eliminates unsightly threaded rod penetrations through the ceiling plane
  - Reduced ceiling penetrations help minimize unwanted air infiltration
- Suspension system meets ASTM C635, ASTM C636, ASTM E580 with Seismic D, E, F available
- Custom colors available to coordinate with Ultima® Create!™ ceiling panels
- 30-Year Limited System Warranty

TYPICAL APPLICATIONS

- Data Centers

COLORS

Due to printing limitations, shade may vary from actual product.



White (WH)

RAL® & Custom Colors Available

White is standard color for main beams and cross tees. All clips are unfinished.

Custom colors and finishes are available for main beams, cross tees, and load connector clips to coordinate with Create!™ ceiling panels and custom project colors.

** Data Center Systems are also addressed on Pgs. 347-348 (Integrated Ceiling Solutions – Integrated Services)

VISUAL SELECTION / PERFORMANCE / PACKAGING

Item No.	Face Profile	Description	Dimensions (Inches)	Hanger Spacing* Lbs./LFT	Fire Guard™	Seismic Category DEF	Pcs./ Ctn.	LFT/ Ctn.
Prelude® XL Max®				**4 Ft.**	Dots represent high level of performance.			
730145	15/16"	12' HD Main Beam	144 x 15/16 x 2-7/16"	40.17	–	•	10	120
XL7345	15/16"	4' Cross Tee	48 x 15/16 x 2-7/16"	40.17	–	•	30	120
XL7325	15/16"	2' Cross Tee	24 x 15/16 x 2-7/16"	–	–	•	30	60
Molding								
SWA9878HRC	7/8"	12' Structural Wall Angle	144 x 7/8 x 15/16"	–	–	•	12	144

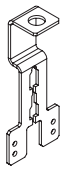
* Simple Span – Uniform Load

ASTM Class
HD - Heavy-duty
ID - Intermediate-duty
LD - Light-duty

ACCESSORIES

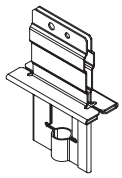
IHC – Intersection Hanging Clip – Used to increase main beam to cross tee connection strength and carry the ceiling system with 3/8" threaded rod from structure.
Steel rivets not included

IHC – 160 pcs
FZIHC – 50 pcs



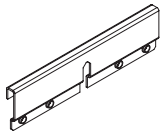
PMLC – Prelude XL Max Load Connector – Used to support bus bars, cable trays, and other components with 3/8" threaded rod along the suspension system face.

PMLC – 100 pcs
FZPMLC – 50 pcs

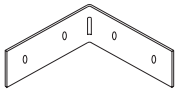


IJC – Intersection Joint Clip – Used at all cross tee-to-cross tee or main beam-to-cross tee connections not using an IHC Clip. (Machine screws included)

IJC – 250 pcs
FZIJC – 50 pcs

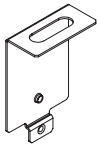


XTAC – Cross Tee Adapter Clip – Securely attaches cross tees or main beams to the structural wall molding around the perimeter of the ceiling installation.



XTAC – 100 pcs
FZXTAC – 50 pcs

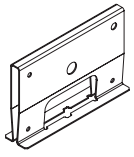
SHC – Supplemental Hanging Clip – Used to carry the ceiling system with 3/8" threaded rod from any location along the main beam when plenum obstructions prevent use of the IHC Clip. (Machine screws included)



SHC – 144 pcs
FZSHC – 50 pcs

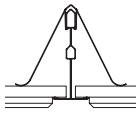
TLMBS – Top Lock Main Beam Splice Clip – Locks two main beams together for a secure connection.

10 pcs (included with item 730145 Main Beam)



FZTLMBS – 50 pcs

PMHDC – Prelude XL Max Hold Down Clip – Attaches to the top bulb of the Prelude XL Max suspension system to hold ceiling panels in place; helps to prevent ceiling panel movement.



PMHDC – 100 pcs
FZPMHDC – 50 pcs

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PRELUDE® XL MAX®

Exposed Tee System

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

30% RECYCLED CONTENT

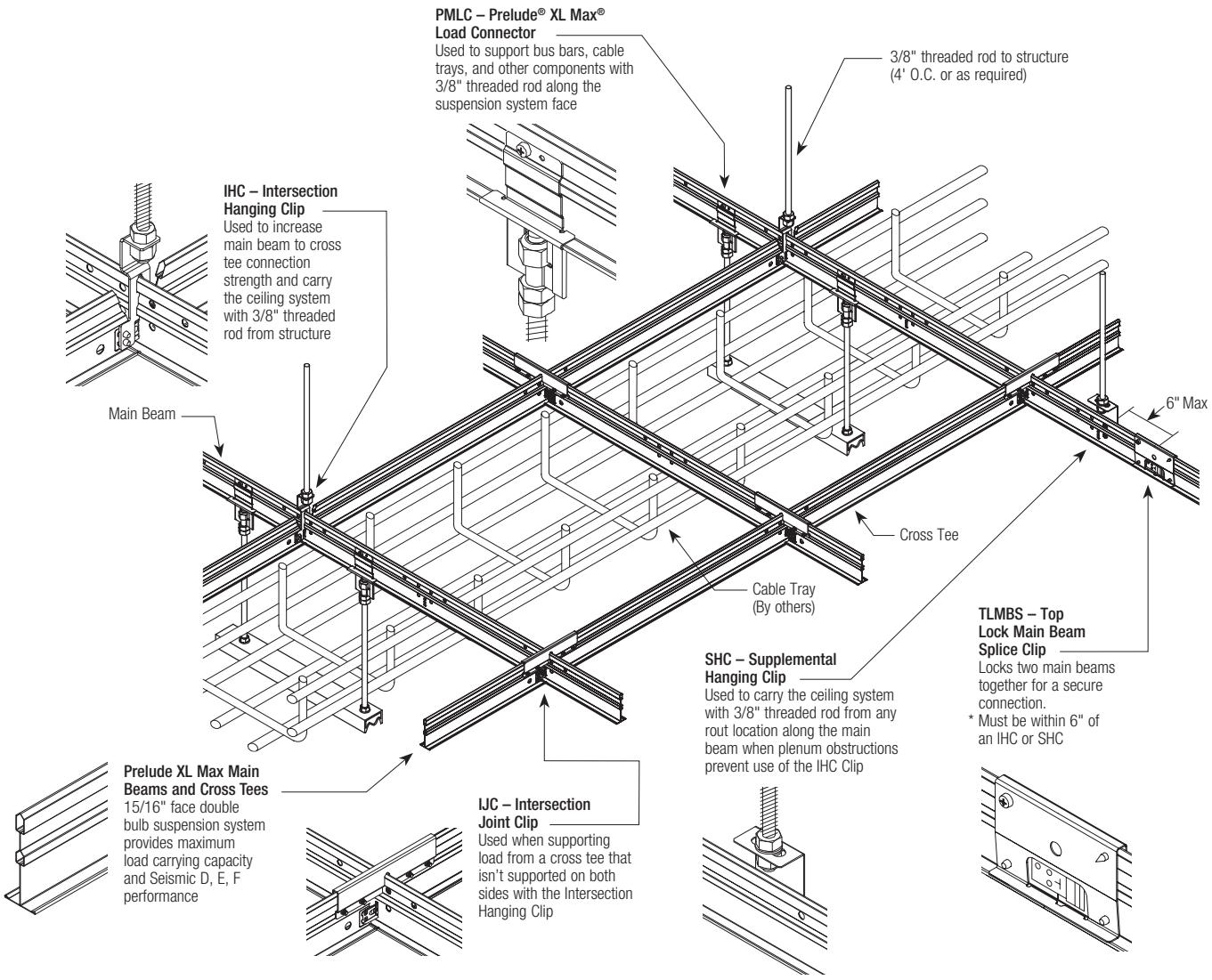
Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®

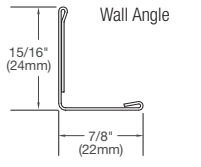
energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
	✓	✓	✓	✓			✓	✓				

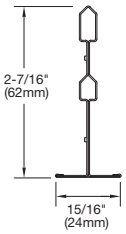
▲ LOCATION DEPENDENT

PRELUDE® XL MAX® INSTALLATION OVERVIEW



DETAILS





PHYSICAL DATA

Material
Hot-dipped galvanized steel

Surface Finish
Baked polyester paint or powder coated

Face Dimension
15/16"

Profile
Exposed tee

Cross Tee/Main Beam Interface
Override

End Detail
Main Beam: Staked-on clip
Cross Tee: Staked-on clip

Duty Classification
Heavy-duty

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RAL® is a registered trademark of RAL gGmbH

SILHOUETTE® XL® 1/4" Reveal

Slotted Tee System

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

UP TO 30% RECYCLED CONTENT

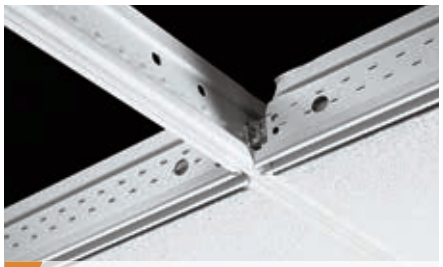
Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt ✓; regional materials ✓; design for flexibility ✓; EPD ✓; recyclable/ extended producer resp.; biobased materials; recycled content ✓; sourcing of raw materials ✓; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

10-YEAR REPLACEMENT AVAILABILITY

Sophisticated slotted 9/16" suspension system with a narrow 1/4" reveal.



Silhouette® XL® suspension system (1/4" reveal)

KEY SELECTION ATTRIBUTES

- **Seismic Rx®** Suspension System saves time and money
- Part of Sustain™ portfolio; meets most stringent sustainability compliance standards today
- Hot-dipped galvanized coating inhibits red rusting
- Rotary-stitched for torsional strength
- XL® staked-on end detail
- 10-Year Limited System Warranty; 30-Year Limited Ceiling Systems Warranty when used with **HumiGuard® Plus** products
- **FastSize™** items – can be ordered with special sizing and rout spacing in one carton minimum with two-week lead times
- Blizzard White powder-coated finish coordinates with Calla®, Optima®, Ultima®, and Lyra® ceiling panels

COLORS

Standard Finish	Powder Coated Finish
White (WH)	Blizzard White (ZW) Items with ❖

VISUAL SELECTION

Face Profile	Item No. ◆	Description	Rout Spacing	Notching	Dimensions (Inches)	Hanger Spacing* Lbs./LFT 4 Ft.	5 Ft.	PERFORMANCE Fire Guard™	Seismic Category DEF	PACKAGING Pcs./ Ctn.	LFT/ Ctn.
Silhouette® XL® – 1/4" Reveal								Dots represent high level of performance.			
9/16"	**7601_ _❖**	12' HD Main Beam – Notched 24" O.C.	24" O.C.		144 x 9/16 x 1-3/4"	16.35	7.80	–	•	20	240
9/16"	**7612_ _❖**	12' HD Main Beam – Unnotched	–		144 x 9/16 x 1-3/4"	16.35	7.80	–	•	20	240
9/16"	**7600_ _❖**	12' ID Main Beam – Notched 24" O.C.	24" O.C.		144 x 9/16 x 1-3/4"	13.10	6.61	–	–	20	240
9/16"	**7602_ _❖**	10' ID Main Beam – Notched 24" O.C.	24" O.C.		120 x 9/16 x 1-3/4"	13.10	6.61	–	–	20	200
9/16"	**7603_ _❖**	12' ID Main Beam – Notched 48" O.C.	48" O.C.		144 x 9/16 x 1-3/4"	13.10	6.61	–	–	20	240
9/16"	**7606_ _❖**	10' ID Main Beam – Notched 30" O.C.	30" O.C		120 x 9/16 x 1-3/4"	13.10	6.61	–	–	20	200
9/16"	**XL7680_ _❖**	8' Cross Tee – Unnotched	–		96 x 9/16 x 1-3/4"	12.59	–	–	•	20	160
9/16"	**XL7690_ _❖**	6' Cross Tee – Unnotched	–		72 x 9/16 x 1-3/4"	12.59	–	–	•	20	120
9/16"	**XL7650_ _❖**	5' Cross Tee – Unnotched	–		60 x 9/16 x 1-3/4"	–	6.09	–	•	30	150
9/16"	**XL7655_ _❖**	5' Cross Tee – Center-notched, both sides	–		60 x 9/16 x 1-3/4"	–	5.71	–	•	30	150
9/16"	**XL7654_ _❖**	5' Cross Tee – Notched, both sides at 20", 40"	–		60 x 9/16 x 1-3/4"	–	5.71	–	•	30	150
9/16"	**XL7651_ _❖**	5' Cross Tee – Notched, one side at 20", 40"	–		60 x 9/16 x 1-3/4"	–	5.71	–	•	30	150
9/16"	**XL7640_ _❖**	4' Cross Tee – Unnotched	–		48 x 9/16 x 1-3/4"	13.53	–	–	•	60	240
9/16"	**XL7645_ _❖**	4' Cross Tee – Center-notched, both sides	–		48 x 9/16 x 1-3/4"	12.85	–	–	•	60	240
9/16"	**XL7646_ _❖**	4' Cross Tee – Center-notched, one side	–		48 x 9/16 x 1-3/4"	13.21	–	–	•	60	240
9/16"	**XL7670_ _❖**	30" Cross Tee – Unnotched	–		30 x 9/16 x 1-3/4"	39.86 at 2.5'	–	–	•	60	150
9/16"	**XL7620_ _❖**	2' Cross Tee – Unnotched	–		24 x 9/16 x 1-3/4"	69.69	71.66 at 2'	–	•	60	120
9/16"	**XL7610_ _❖**	1' Cross Tee – Unnotched	–		12 x 9/16 x 1-3/4"	69.69	71.66	–	•	120	120
9/16"	**XL7606_ _❖**	6" Cross Tee – Unnotched	–		6 x 9/16 x 1-3/4"	–	–	–	•	60	20
9/16"	**XL7604_ _❖**	4" Cross Tee – Unnotched	–		4 x 9/16 x 1-3/4"	–	–	–	•	60	20
9/16"	FS **FastSize™**	Main beams L: 36" - 144" / Cross tees L: 6" - 144" / Rout spacing 3" from ends, 6" thereafter								Varies	Varies

FS **FastSize**: Factory-finished, made-to-order sizes, shipped fast (1 carton min.)

Item No.	Description	Length	(A) Flange	(B) Height	(C) Reveal	Pcs./ Ctn.	LFT/ Ctn.
Suggested Wall Moldings and Shadow Moldings (Additional molding options available. See catalog pgs. 376-378)							
7804_ _❖	12' Hemmed Angle Molding	144"	9/16"	7/8"	–	30	360
7873_ _❖	10' Shadow Molding	120"	9/16"	15/16"	3/8"	30	300
7877_ _❖	10' Seismic Shadow Molding	120"	15/16"	15/16"	1/4"	30	300

* Simple Span ** Suitable for Category D, E, F Seismic Installation with BERC2 clip ❖ All items available in Blizzard White powder-coated finish

◆ When specifying or ordering items with a color or finish, add the two-letter suffix to the end of the item number (e.g., 7601ZW – Blizzard White)

ASTM Class HD - Heavy-duty ID - Intermediate-duty LD - Light-duty

DETAILS

For more information, see submittal BPCS-3157.

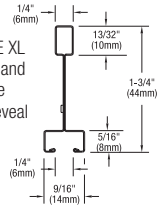


SILHOUETTE XL Main Beam

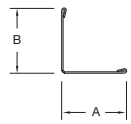


SILHOUETTE XL Cross Tee

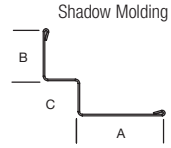
SILHOUETTE XL Main Beam and Cross Tee with 1/4" Reveal



Hemmed Angle Molding



Shadow Molding



NOTE: Additional Silhouette 1/4" Reveal items for TechZone® Integrated Ceiling System are listed in the TechZone Technical Guide (BPCS-4486). Available online at armstrongceilings.com/techzone

ACCESSORIES

For accessories see pages 405-406

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Armstrong® CEILING & WALL SOLUTIONS

SILHOUETTE® XL® 1/8" Reveal

Slotted Tee System

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

UP TO 30% RECYCLED CONTENT

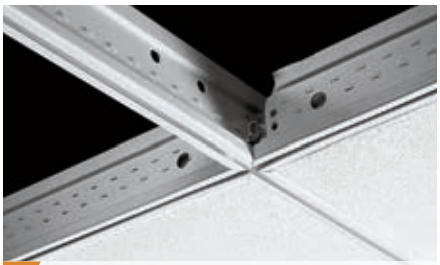
Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt; regional materials; design for flexibility; EPD; recyclable/ extended producer resp.; biobased materials; recycled content; sourcing of raw materials; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

10-YEAR REPLACEMENT AVAILABILITY

Sophisticated slotted 9/16" suspension system with a slim 1/8" reveal.



Silhouette® XL® suspension system (1/8" reveal)

KEY SELECTION ATTRIBUTES

- **Seismic Rx®** Suspension System saves time and money
- Part of Sustain™ portfolio and meets the most stringent sustainability compliance standards today
- Hot-dipped galvanized coating inhibits red rusting
- Rotary-stitched for additional torsional strength and stability
- XL® staked-on end detail
- 10-Year Limited System Warranty; 30-Year Limited Ceiling Systems Warranty when used with **HumiGuard® Plus** products
- **FastSize™** items – can be ordered with special sizing and rout spacing in one carton minimum with two-week lead times
- Blizzard White powder-coated finish coordinates with Calla®, Optima®, Ultima®, and Lyra® ceiling panels

COLORS

Standard Finish	Powder Coated Finish
White (WH)	Blizzard White (ZW) Items with ❖

VISUAL SELECTION / PERFORMANCE / PACKAGING

Face Profile	Item No. ◆	Description	Rout Spacing	Notching	Dimensions (Inches)	Hanger Spacing* Lbs./LFT 4 Ft.	5 Ft.	Fire Guard™	Seismic Category DEF	Pcs./ Ctn.	LFT/ Ctn.
Silhouette® XL® – 1/8" Reveal								Dots represent high level of performance.			
9/16"	**76018**_ _❖	12' HD Main Beam – Notched 24" O.C.	24" O.C.		144 x 9/16 x 1-3/4"	16.35	7.80	–	•	20	240
9/16"	**76128**_ _❖	12' HD Main Beam – Unnotched	–		144 x 9/16 x 1-3/4"	16.35	7.80	–	•	20	240
9/16"	**76008**_ _❖	12' ID Main Beam – Notched 24" O.C.	24" O.C.		144 x 9/16 x 1-3/4"	13.10	6.61	–	–	20	240
9/16"	**76028**_ _❖	10' ID Main Beam – Notched 24" O.C.	24" O.C.		120 x 9/16 x 1-3/4"	13.10	6.61	–	–	20	200
9/16"	**76038**_ _❖	12' ID Main Beam – Notched 48" O.C.	48" O.C.		144 x 9/16 x 1-3/4"	13.10	6.61	–	–	20	240
9/16"	**76068**_ _❖	10' ID Main Beam – Notched 30" O.C.	30" O.C.		120 x 9/16 x 1-3/4"	13.10	6.61	–	–	20	200
9/16"	**XL76808**_ _❖	8' Cross Tee – Unnotched	–		96 x 9/16 x 1-3/4"	12.59	–	–	•	20	160
9/16"	**XL76908**_ _❖	6' Cross Tee – Unnotched	–		72 x 9/16 x 1-3/4"	12.59	–	–	•	20	120
9/16"	**XL76508**_ _❖	5' Cross Tee – Unnotched	–		60 x 9/16 x 1-3/4"	–	6.09	–	•	30	150
9/16"	**XL76558**_ _❖	5' Cross Tee – Center-notched, both sides	–		60 x 9/16 x 1-3/4"	–	5.71	–	•	30	150
9/16"	**XL76408**_ _❖	4' Cross Tee – Unnotched	–		48 x 9/16 x 1-3/4"	14.11	–	–	•	60	240
9/16"	**XL76458**_ _❖	4' Cross Tee – Center-notched, both sides	–		48 x 9/16 x 1-3/4"	12.60	–	–	•	60	240
9/16"	**XL76468**_ _❖	4' Cross Tee – Center-notched, one side	–		48 x 9/16 x 1-3/4"	13.01	–	–	•	60	240
9/16"	**XL76708**_ _❖	30" Cross Tee – Unnotched	–		30 x 9/16 x 1-3/4"	47.76	–	–	•	60	150
9/16"	**XL76208**_ _❖	2' Cross Tee – Unnotched	–		24 x 9/16 x 1-3/4"	69.69	–	–	•	60	120
9/16"	**XL76108**_ _❖	1' Cross Tee – Unnotched	–		12 x 9/16 x 1-3/4"	69.69	–	–	•	120	120
9/16"	**XL76048**_ _❖	4" Cross Tee – Unnotched	–		4 x 9/16 x 1-3/4"	–	–	–	•	60	20
9/16"	FS **FastSize™**	Main beams L: 36" - 144" / Cross tees L: 6" - 144" / Rout spacing 3" from ends, 6" thereafter								Varies	Varies

FS **FastSize**: Factory-finished, made-to-order sizes, shipped fast (1 carton min.)

Item No.	Description	Length	(A) Flange	(B) Height	(C) Reveal	Pcs./ Ctn.	LFT/ Ctn.
Suggested Wall Moldings and Shadow Moldings (Additional molding options available. See catalog pgs. 376-378)							
7804_ _❖	12' Hemmed Angle Molding	144"	9/16"	7/8"	–	30	360
7873_ _❖	10' Shadow Molding	120"	9/16"	15/16"	3/8"	30	300
7877_ _❖	10' Seismic Shadow Molding	120"	15/16"	15/16"	1/4"	30	300

* Simple Span ** Suitable for Category D, E, F Seismic Installation with BERC2 clip ❖All items available in Blizzard White powder-coated finish

◆ When specifying or ordering items with a color or finish, add the two-letter suffix to the end of the item number (e.g., 7804ZW – Blizzard White)

ASTM Class HD - Heavy-duty ID - Intermediate-duty LD - Light-duty

DETAILS

For more information, see submittal BPCS-3078.

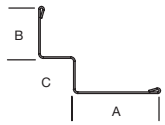


SILHOUETTE® XL® Main Beam



SILHOUETTE XL Cross Tee

Shadow Molding



ACCESSORIES

For accessories see pages 405-406

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SINGLESPAN™

Acoustical Corridor Suspension System



The SingleSpan™ System can eliminate hanger wires

Reduces or eliminates hanger wires for faster, easier installation in crowded plenum spaces

KEY SELECTION ATTRIBUTES

- SingleSpan™ system allows you to reduce or eliminate hanger wires in acoustical corridor installations
- **PeakForm® Plus** profile adds additional strength and support for longer spans
- Hot-dipped galvanized coating inhibits red rusting better than electrogalvanized or painted systems
- 10-Year Limited Warranty; 30-Year Limited warranty when used with **HumiGuard® Plus** products
- All components are manufactured from High Recycled Content steel
- High Recycled Content grid can be used with Ultima® HRC, Cirrus® HRC, or Dune™ HRC ceiling panels to create a sustainable ceiling system
- Rotary-stitched during manufacture for additional torsional strength and extra stability during installation; maintains size and shape of reveal when cutting perimeter tees

WHY USE THE SINGLESPAN SUSPENSION SYSTEM?

- Reduces or eliminates hanger wires – perfect for healthcare/education spaces with crowded plenums
- Faster installation helps keep large projects on schedule
- Compatible with all Armstrong® heavy-duty suspension main beams using StrongBack™ Support Hangers
- Seismically tested/approved suspension installation configuration (IAPMO certified, Evaluation Report #0244)
- Provides improved access to utilities in the plenum post-installation

TYPICAL APPLICATIONS

Corridors in:

- Healthcare
- Offices
- Education

COLOR

White (WH)

HOW THE SINGLESPAN™ SYSTEM WORKS

① Prelude® PeakForm® Plus 15/16" main beams with double bulb construction provide heavy-duty strength and support for maximum load carrying performance.

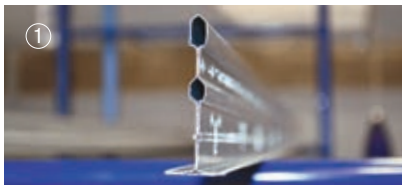
② For 9/16" applications, add SingleSpan support system to any Armstrong® heavy-duty main beam by attaching StrongBack™ support pieces to them.

③ Structural wall angle maximizes the load carrying performance of the SingleSpan system and allows you to reduce or eliminate hanger wires.

SEISMIC INSTALLATIONS

④ The Lateral Support Bar adds seismic performance to the SingleSpan system and functions as:

- A stabilizer bar
- Perimeter support wire
- 2" Wall molding
- Lateral bracing









SINGLESPAN™

Acoustical Corridor Suspension System

UP TO 61% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt; regional materials; design for flexibility; EPD; recyclable/ extended producer resp.; biobased materials; recycled content; sourcing of raw materials; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE

PACKAGING

Face Profile	Item No.	Description	Dimensions (Inches)	Hanger Spacing Lbs./LFT 2 Ft.	4 Ft.	5 Ft.	6 Ft.	Main Beam O.C. Spacing	Hanger Spacing – Maximum Load in Lbs./SF 4 Ft.	5 Ft.	6 Ft.	Seismic Category DEF	Pcs./ Ctn.	LFT/ Ctn.
SingleSpan™ Prelude® Main Beams with PeakForm® Plus												Dots represent high level of performance.		
15/16"	**730144HRC**	144" Main Beam	144 x 15/16 x 2.44"	–	41.1	18.6	12.8	24"	20.55	9.3	6.4	•	10	120
								48"	10.27	4.65*	3.2			
15/16"	**730102HRC**	102" Main Beam	102 x 15/16 x 2.44"	–	41.1	18.6	12.8	24"	20.55	9.3	6.4	•	10	85
								48"	10.27	4.65*	3.2			
15/16"	**730098HRC**	98" Main Beam	98 x 15/16 x 2.44"	–	41.1	18.6	12.8	24"	20.55	9.3	6.4	•	10	81.6
								48"	10.27	4.65*	3.2			
StrongBack™ Compatible Heavy-duty Main Beam Options (used in combination with StrongBack Support hanger)														
Prelude® 15/16"	**7301**	12' HD Main Beam	144 x 15/16 x 1-11/16"	–	–	19.93	14.42	24"	–	13.5	7.21	•	20	240
								48"		6.75*	3.60			
Suprafine® 9/16"	**7501**	12' HD Main Beam	144 x 9/16 x 1-11/16"	–	–	19.73	13.66	24"	–	11.9	6.85	•	20	240
								48"		5.95*	3.42			
Silhouette® 9/16"	**7601 HD**	HD Main Beam 1/4" reveal	144 x 9/16 x 1-3/4"	–	–	18.4	14.78	24"	–	13.05	7.35	•	20	240
	76018 HD	HD Main Beam 1/8" reveal	144 x 9/16 x 1-3/4"					48"		6.52*	3.67		20	240
Interlude® 9/16"	**6101**	12' HD Main Beam	144 x 9/16 x 1-3/4"	–	–	17.46	12.33	24"	–	12.5	7.25	•	20	240
								48"		6.12*	3.62			
StrongBack Support Hangers (use in combination with 9/16" Heavy-duty Main Beams)														
	SH12	StrongBack Support Hanger	144 x 2 x 2"	–	–	–	–	–	–	–		–	200	–
Cross Tees (More cross tees available. See specific suspension system pages in this catalog.)														
Prelude® XL® 15/16"	**XL7341**	4' Cross Tee	48 x 15/16 x 1-11/16"	–	16.59	–	–	–	–	–	–	•	60	240
	XL7328	2' Cross Tee	24 x 15/16 x 1-3/8"	40.45	–	–	–	–	–	–	–	•	60	120
Suprafine XL 9/16"	**XL7549**	4' Cross Tee	48 x 9/16 x 1-11/16"	–	16.00	–	–	–	–	–	–	•	60	240
	XL7520	2' Cross Tee	24 x 9/16 x 1-1/2"	51.83	–	–	–	–	–	–	–	•	60	120
Silhouette XL 1/4" reveal 9/16"	**XL7645**	4' Cross Tee (Center-notched, both sides)	48 x 9/16 x 1-3/4"	–	12.00	–	–	–	–	–	–	•	60	240
	XL7640	4' Cross Tee (Unnotched)	48 x 9/16 x 1-3/4"	–	13.53	–	–	–	–	–	–	•	60	240
Silhouette XL 1/8" reveal 9/16"	**XL76458**	4' Cross Tee (Center-notched, one side)	48 x 9/16 x 1-3/4"	–	12.00	–	–	–	–	–	–	•	60	240
	XL76208	2' Cross Tee (Unnotched)	24 x 9/16 x 1-3/4"	69.69	–	–	–	–	–	–	–	•	60	120
Interlude XL 9/16"	**XL6140**	4' Cross Tee	48 x 9/16 x 1-3/4"	–	12.60	–	–	–	–	–	–	•	60	240
	XL6120	2' Cross Tee	24 x 9/16 x 1-3/4"	66.89	–	–	–	–	–	–	–	•	60	120

SingleSpan Lateral Support Bar

Item No.	Description	Dimensions (Inches)	Pcs./ Ctn.	LFT/ Ctn.
LSB4HRC	48" Lateral Support Bar	48 x 2.16"	10	40
LSB6HRC	72" Lateral Support Bar	72 x 2.16"	10	60
LSB8HRC	96" Lateral Support Bar	96 x 2.16"	10	80
LSB10HRC	120" Lateral Support Bar	120 x 2.16"	10	100
LSB12HRC	144" Lateral Support Bar	144 x 2.16"	10	120

* Requires the use of XL7340 or similar load rating cross tee

SingleSpan Structural Wall Angle

Face	Item No.	Description	Dimensions (Inches)	Pcs./ Ctn.	LFT/ Ctn.
12'	**SWA9854HRC**	Structural Wall Angle	144 x 1-1/4 x 15/16"	12	144
12'	**SWA9878HRC**	Structural Wall Angle	144 x 7/8 x 15/16"	12	144

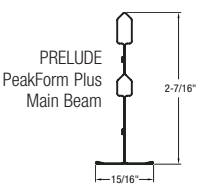
Structural wall angle is required when hanger wires are greater than 24" from the wall.

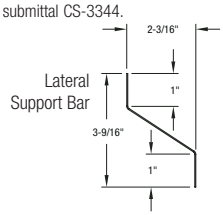
Clips

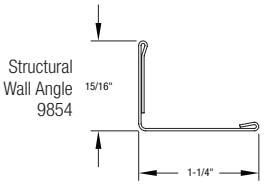
			Pcs./Ctn.
XTAC	Cross Tee Adapter Clip	–	100
BERC2	Beam End Retaining Clip	–	200

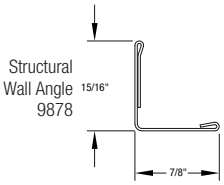
DETAILS

For more information, see submittal CS-3344.









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SONATA® XL®

Dimensional Tee System

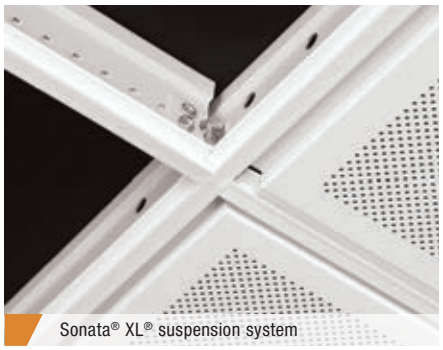
UP TO 30% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt ✓; regional materials ✓; design for flexibility ✓; EPD ✓; recyclable/ extended producer resp.; biobased materials; recycled content ✓; sourcing of raw materials ✓; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

This sophisticated dimensional 9/16" suspension system offers co-extruded steel construction for crisp edge profile detailing.



Sonata® XL® suspension system

KEY SELECTION ATTRIBUTES

- **Seismic Rx®** Suspension System saves time and money; Armstrong Ceilings offers an ICC-ES approach to installations (ESR-1192)
- Co-extruded steel provides crisp edge and profile detailing and excellent corrosion resistance
- XL® staked-on end detail provides secure locked connection; easy to remove, reuse, and relocate
- Accommodates virtually any fixture, especially 1' x 4' light fixtures
- 10-Year Limited Warranty; 30-Year Limited Warranty with **HumiGuard® Plus** products
- Some items available in metric sizes

COLORS

Due to printing limitations, shade may vary from actual product.

White (WH)

Silver Grey (SG)

Gun Metal Grey (MY)

VISUAL SELECTION / PERFORMANCE / PACKAGING

Face Profile	Item No. ◆	Description	Dimensions (Inches)	Hanger Spacing* Lbs./LFT 2 Ft.	30"	4 Ft.	5 Ft.	Fire Guard™	Seismic Category DEF (Dots represent high level of performance.)	Pcs./ Ctn.	LFT/ Ctn.
Sonata® XL®											
9/16"	**6501**_ _	12' HD Main Beam	144 x 9/16 x 1-13/16"	–	–	19.42	–	–	•	50	144
9/16"	**XL6561**_ _	5' Cross Tee	60 x 9/16 x 1-13/16"	–	–	–	6.43	–	•	50	180
9/16"	**XL6541**_ _	4' Cross Tee	48 x 9/16 x 1-13/16"	–	–	15.88	–	–	•	36	144
9/16"	**XL6531**_ _	30" Cross Tee	30 x 9/16 x 1-13/16"	–	30.9	–	–	–	•	36	90
9/16"	**XL6521**_ _	2' Cross Tee	24 x 9/16 x 1-13/16"	42.0	–	–	–	–	•	36	72
9/16"	**XL6511**	1' Cross Tee	12 x 9/16 x 1-13/16"	42.0	–	–	–	–	•	36	36
Molding											
9/16"	**7821**	12' Shadow Molding	144 x 9/16 x 15/16 x 3/16 x 3/8"	–	–	–	–	–	–	30	360

* Simple Span

◆ When specifying or ordering, add 2-letter color suffix to item number (ex. 65101 S G)

ASTM Class
HD - Heavy-duty
ID - Intermediate-duty
LD - Light-duty

DETAILS

For more information, see submittal BPCS-3209.

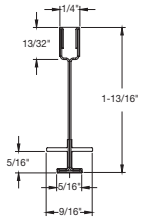


SONATA Main Beam

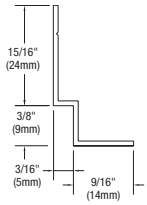


SONATA Cross Tee

SONATA Main Beam and Cross Tee



SONATA Shadow Molding



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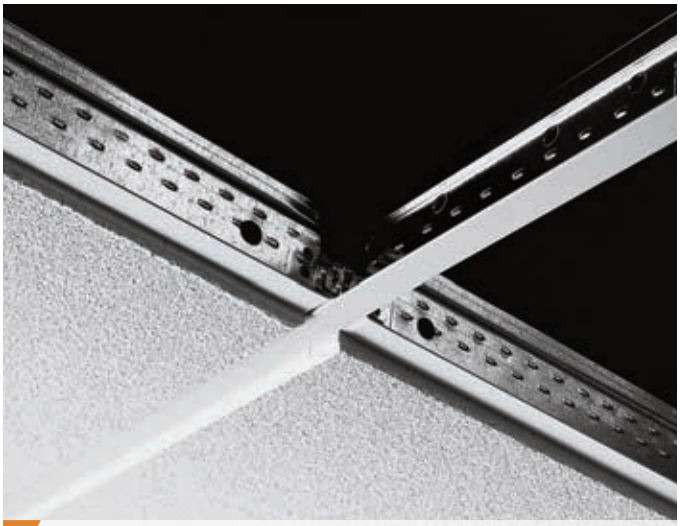
Armstrong® CEILING & WALL SOLUTIONS

SUPRAFINE® XL® and ML
SUPRAFINE XL
High Recycled Content
Exposed Tee System

10-YEAR REPLACEMENT AVAILABILITY



Prelude® XL® suspension system

This versatile 9/16" suspension system combines durability and stability with a refined appearance.

KEY SELECTION ATTRIBUTES

- **Seismic Rx®** Suspension System saves time and money; Armstrong Ceilings offers an ICC-ES approach to installations (ESR-1308)
- Suprafine® suspension systems are part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today
- **PeakForm®** profile increases strength and stability
- **SuperLock™** main beam clip is engineered for a strong, secure connection and fast, accurate alignment
- Hot-dipped galvanized coating inhibits red rusting better than other systems
- Some items available in metric sizes
- 1-11/16" web height keeps components vertical and stable at light fixture interface
- 10-Year Limited System Warranty; 30-Year Limited Ceiling Systems Warranty when used with **HumiGuard® Plus** products
- Available with TrioGuard™ coating that resists dirt, bacteria, mold, mildew, and color fading
- **FastSize™** main beams and cross tees can be ordered with special sizing and rout spacing for your project needs in one carton minimum with two-week lead times
- Fire Guard™ options offer UL design fire-rated performance.
- Blizzard White powder-coated finish coordinates with Calla®, Optima®, Ultima®, and Lyra® ceiling panels for a clean, seamless, monolithic installed visual
- Linear lighting integration is easy with made-to-order main-beam-to-cross-tee adapters, rout spacing, miter spacing, and short cross tees (3" to 6" lengths)

COLORS AND FINISH

Standard

White (WH) · White with TrioGuard™ Coating (WH3G) · Cream (CR) · Haze (HA) · Adobe (AD) · Platinum (PL) · Tech Black (BL)* · Silver Grey (SG) · Gun Metal Grey (MY) · Silver Satin (SA)

Premium

Camel (CM) · Bronze (BZ)

Powder-coated Finish❖

Blizzard White (ZW)

Colorations® (Coordinates with Calla® Colorations® Panels and Axiom® Trim)

Shell (SH) · Pale Lemon (LM) · Pecan (PC) · Sky (SK) · Moss (MS) · Stone (SE) · Reef (RE) · Lagoon (LA) · Plum (PM) · Cranberry (CN) · Kiwi (KW) · Tangerine (TG)

Made-to-order Sherwin-Williams® Colors Available

Custom colors are available with a Sherwin-Williams® 4-digit color code from the Duration® or Harmony® flat interior paint families (Code SW _ _ _ _)

To see Ultima® and Optima® Create!™ and RAL® colors, visit armstrongceilings.com/createcolors.

❖ Items available in Blizzard White powder-coated finish

* Tech Black (BL) coordinates with Black (BK) for Colorations projects.

VISUAL SELECTION

Face Profile	Item No. ◆	Description	Rout Spacing	Dimensions (Inches)	Hanger Spacing* Lbs./LFT 4 Ft.	5 Ft.	Fire Guard™	Seismic Category	Pcs./ Ctn.	LFT/ Ctn.
Suprafine® XL® and Suprafine XL High Recycled Content (Red Numbers are Fire Guard™ Items)							Dots represent high level of performance.			
9/16"	**7501**_ _† ††	12' HD Main Beam	6" O.C.	144 x 9/16 x 1-11/16"	16.86	10.62	–	●	20	240
	7501HRC						–	●	20	240
	8501						●	●	20	240
9/16"	**7500**_ _❖ ††	12' ID Main Beam	6" O.C.	144 x 9/16 x 1-11/16"	12.75	5.74	–	–	20	240
	8500						●	–	20	240
9/16"	**7502**_ _❖	10' ID Main Beam	6" O.C.	120 x 9/16 x 1-11/16"	12.75	5.74	–	–	20	200
9/16"	**XL7580**_ _❖	8' Cross Tee	12" O.C.	96 x 9/16 x 1-11/16"	12.73**	–	–	●	20	160
9/16"	**XL7590**_ _❖	6' Cross Tee	12" O.C.	72 x 9/16 x 1-11/16"	12.73**	–	–	●	20	120
9/16"	**XL7558**_ _❖	5' Cross Tee	6", 20", 30"	60 x 9/16 x 1-11/16"	–	5.80	–	●	60	300
9/16"	**XL7541HRC**	4' Cross Tee	–	48 x 9/16 x 1-11/16"	12.73	–	–	●	60	240
9/16"	**XL7540**_ _† ††	4' Cross Tee	12" O.C.	48 x 9/16 x 1-11/16"	10.34	–	–	●	60	240
	XL8540						●	●	60	240
9/16"	**XL7549**_ _❖ ††	4' Cross Tee	–	48 x 9/16 x 1-11/16"	16.42	–	–	●	60	240
9/16"	**XL7530**_ _❖	3' Cross Tee	–	36 x 9/16 x 1-11/16"	–	–	–	●	60	180

* Simple Span

** Wire at 4'

† Items available in Standard, Premium, and Blizzard White powder-coated finish

†† Items available with TrioGuard™ coating in White (WH3G)

❖ Items available in Blizzard White powder-coated finish

◆ When specifying or ordering items with a color or finish, add the two-letter suffix to the end of the item number (e.g., 7501HA – Haze)

ASTM Class
HD - Heavy-duty
ID - Intermediate-duty
LD - Light-duty

SUPRAFINE® XL® and ML
SUPRAFINE XL
High Recycled Content
Exposed Tee System

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

10% Pre-consumer 53% Post-consumer

UP TO 61% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED® energy management; construction waste mgmt ✓; regional materials ✓; design for flexibility ✓; EPD ✓; recyclable/ extended producer resp.; biobased materials; recycled content ✓; sourcing of raw materials ✓; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE

PACKAGING

Face Profile	Item No. ◆	Description	Rout Spacing	Dimensions (Inches)	Hanger Spacing* Lbs./LFT 4 Ft.	5 Ft.	Fire Guard™	Seismic Category DEF	Pcs./ Ctn.	LFT/ Ctn.
Suprafine® XL® and Suprafine XL High Recycled Content (Red Numbers are Fire Guard™ Items)							Dots represent high level of performance.			
9/16"	**XL7570_ _❖**	30" Cross Tee	–	30 x 9/16 x 1-11/16"	28.67	–	–	●	60	150
9/16"	**XL7520_ _†**	2' Cross Tee	–	24 x 9/16 x 1-11/16"	51.83	–	–	●	60	120
	XL7520HRC						–	●	60	120
	XL8520						●	●	60	120
9/16"	**XL7510_ _❖**	1' Cross Tee	–	12 x 9/16 x 1-11/16"	51.83	–	–	●	120	120
9/16"	FS **FastSize™**	Main beams L: 36" - 144" / Cross tees L: 3" - 144" / Rout spacing 2" from ends, 4" thereafter							Varies	Varies
Suprafine XL items for TechZone® Ceiling Systems Additional items available in TechZone Technical Guide – BPCS-4486 or armstrongceilings.com/techzone										
9/16"	**7504_ _❖**	120" HD Main Beam	15", 42", 48", 75", 102", 108"	120 x 9/16 x 1-11/16"	12.75	10.62	–	●	20	200
9/16"	**7505_ _❖**	100" HD Main Beam	2", 26", 50", 74", and 98"	100 x 9/16 x 1-11/16"	–	–	–	●	20	166
9/16"	**7507_ _❖**	144" HD Main Beam	15", 36", 42", 63", 84", 90", 11",132", 138"	144 x 9/16 x 1-11/16"	–	–	–	●	20	240
9/16"	**7508_ _❖**	132" HD Main Beam	10", 30", 50", 56", 76", 96", 116", 122"	132 x 9/16 x 1-11/16"	–	–	–	●	20	220
9/16"	**TZXL7556_ _❖**	56" Cross Tee	–	56 x 9/16 x 1-11/16"	–	–	–	●	60	280
9/16"	**XL7562_ _❖**	42" Cross Tee	–	42 x 9/16 x 1-11/16"	12.34	–	–	●	60	210
9/16"	**XL7528_ _❖**	28" Cross Tee	–	28 x 9/16 x 1-11/16"	–	–	–	●	60	140
9/16"	**XL7561_ _❖**	21" Cross Tee	–	21 x 9/16 x 1-11/16"	–	–	–	●	60	105
9/16"	**XL7506_ _❖**	6" Cross Tee	–	6 x 9/16 x 1-11/16"	–	–	–	●	60	30
9/16"	**XL7504_ _❖**	4" Cross Tee	–	4 x 9/16 x 1-11/16"	–	–	–	●	60	20
Suprafine® ML					4 Ft.	5 Ft.				
9/16"	**ML7540_ _❖**	4' Cross Tee	–	48 x 9/16 x 1-11/16"	10.34	–	–	–	60	240
9/16"	**ML7520_ _❖**	2' Cross Tee		24 x 9/16 x 1-11/16"	51.80	–	–	–	60	120

* Simple Span
† Items available in Standard, Premium, and Blizzard White powder-coated finish
†† Items available with TrioGuard™ coating in White (WH3G)
❖ Items available in Blizzard White powder-coated finish
◆ When specifying or ordering items with a color or finish, add the two-letter suffix to the end of the item number (e.g., ML7540HA – Haze)

FS **FastSize**: Factory-finished, made-to-order sizes, shipped fast (1 carton min.)

ASTM Class
HD - Heavy-duty
ID - Intermediate-duty
LD - Light-duty

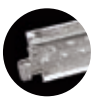
Item No.	Description	Length	(A) Flange	(B) Height	(C) Reveal	(D) Reveal	Pcs./ Ctn.	LFT/ Ctn.
Suggested Wall Moldings and Shadow Moldings (Additional molding options available. See catalog pgs. 376-378)								
7808_ _❖	10' Hemmed Angle Molding	120"	2"	2"	–	–	10	100
7804_ _❖	12' Hemmed Angle Molding	144"	9/16"	7/8"	–	–	30	360
7804HRC	12' Hemmed Angle Molding	144"	9/16"	7/8"	–	–	30	360
7835	10' Channel Molding	120"	7/8"	1-3/4"	3/8"	–	20	200
7873_ _❖	10' Shadow Molding	120"	9/16"	15/16"	3/8"	–	30	300
7874_ _❖	10' Shadow Molding	120"	9/16"	15/16"	1/4"	–	30	300
7877_ _❖* **	10' Seismic Shadow Molding	120"	15/16"	15/16"	1/4"	–	30	300
new **7889_ _❖**	10' Shadow Molding	120"	9/16"	15/16"	3/8"	1/4"	30	300
new **7850_ _❖**	10' Hemmed Angle Molding	120"	1-1/8"	7/8"	–	–	30	300
new **7851_ _❖**	12' Hemmed Angle Molding	144"	1-1/8"	7/8"	–	–	30	360

*** Suitable for IBC Category D,E,F installations using Armstrong Seismic Rx® suspension system and BERC2 Clip

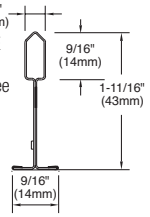
ACCESSORIES
For accessories see pages 405-406.

DETAILS
For more information, see submittal CS-3077.

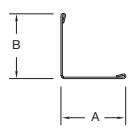

SUPRAFINE XL Cross Tee


SUPRAFINE ML Cross Tee

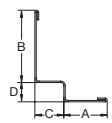
SUPRAFINE Main Beam and Cross Tee



Hemmed Angle Molding



Shadow Molding





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RAL® is a registered trademark of RAL gGmbH
Declare℠ is a service mark of The International Living Future Institute

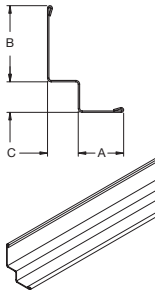
Armstrong® CEILING & WALL SOLUTIONS

MOLDINGS

TrioGuard™ Dirt-Resistant Coating

Angle molding, shadow molding, channel molding, and other wall moldings are an important detail in the design and installation of each ceiling system. Wall moldings offer a unique solution to each ceiling system by maintaining a consistent look and performance to each design.

Shadow molding:
Hemmed with prefinished exposed flanges

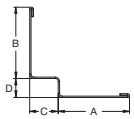


Item No.	Length	(A) Flange	(B) Height	(C) Reveal	LFT/ Ctn.
7823*	120"	2"	1-1/4"	3/4"	100
7871	120"	3/4"	15/16"	3/4"	300
7873	120"	9/16"	15/16"	3/8"	300
7874	120"	9/16"	15/16"	1/4"	300
7875	120"	3/4"	15/16"	1/2"	300
7877*	120"	15/16"	15/16"	1/4"	300
7878*	120"	15/16"	15/16"	3/8"	300
7897*	120"	15/16"	15/16"	1/2"	300

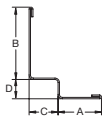
* Suitable for IBC Category D, E, F installations.
NOTE: Shadow molding can be rotated to be used with either flange.
For molding corner covers see page 380.

Shadow molding:
Hemmed with prefinished exposed flanges

Item No.	Length	(A) Flange	(B) Height	(C) Reveal	(D) Reveal	LFT/ Ctn.
new **7888**	120"	15/16"	15/16"	3/8"	1/4"	300
new **7889**	120"	9/16"	15/16"	3/8"	1/4"	300

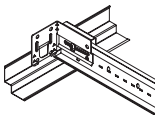


7888



7889

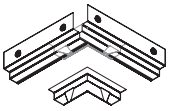
Shadow molding:
(Compatible with Seismic Rx® and BERC 2)

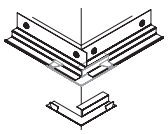


Item No.	Length	(A) Flange	(B) Height	(C) Reveal	LFT/ Ctn.
7877*	120"	15/16"	15/16"	1/4"	300
7878*	120"	15/16"	15/16"	3/8"	300
7897*	120"	15/16"	15/16"	1/2"	300

* Suitable for IBC Category D, E, F installations.
NOTE: Shadow molding can be rotated to be used with either flange.
For molding corner covers see page 380.

Shadow molding:
Inside and outside corners

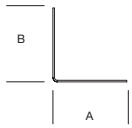

Inside Corner

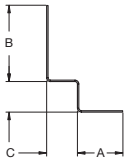

Outside Corner

Item No.	Description
7874IC	Inside Corner for 7874 Molding
78740C	Outside Corner for 7874 Molding
7861	Inside Corner for 7873 Molding
7862	Outside Corner for 7873 Molding
7877IC	Inside Corner for 7877 Molding
78770C	Outside Corner for 7877 Molding
7878IC	Inside Corner for 7878 Molding
78780C	Outside Corner for 7878 Molding

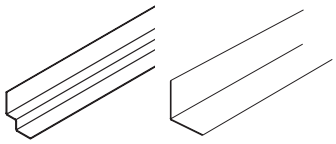
NOTE: Shadow molding can be rotated to be used with either flange (Corners will not work with rotated moldings).

Flex molding:
Steel base with flexible vinyl facing





Item No.	Length	(A) Flange	(B) Height	(C) Reveal	LFT/ Ctn.
Angle					
7880_ _*	96"	1"	1"	-	96
7882_ _*	96"	7/8"	15/16"	-	96
7884_ _*	96"	15/16"	15/16"	-	96
7885_ _*	96"	9/16"	1"	-	96
7887	96"	2"	1-1/2"	-	96
Shadow					
7890	96"	3/4"	1-5/8"	3/4"	96
7898	96"	9/16"	1"	3/8"	96

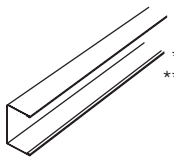


* Available in Black and White.

Channel molding:
Hemmed with prefinished exposed flanges



Item No.	Length	(A) Flange	(B) Height	(C) Reveal	LFT/ Ctn.
7830	120"	15/16"	1-15/16"	15/16"	160
7831	120"	15/16"	1-9/16"	15/16"	200
7834	120"	15/16"	1-1/4"	1/2"	240
7835_ _*	120"	7/8"	1-3/4"	9/16"	200
7835SC**	11"	7/8"	1-3/4"	9/16"	150
HD7831WA***	120"	7/8"	1-3/4"	9/16"	200



* Available in Gun Metal Grey and Silver Grey
** Unpainted spreader channel
*** White aluminum

Recommended moldings are included with suspension systems interface drawings on pages 407-411

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MOLDINGS

UP TO 30% RECYCLED CONTENT

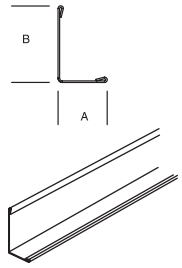
Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt ✓; regional materials ✓; design for flexibility ✓; EPD; recyclable/ extended producer resp.; biobased materials; recycled content ✓; sourcing of raw materials ✓; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

Angle molding, shadow molding, channel molding, and other wall moldings are an important detail in the design and installation of each ceiling system. Wall moldings offer a unique solution to each ceiling system by maintaining a consistent look and performance to each design.

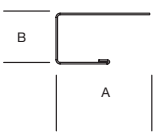
Angle molding:
Hemmed with prefinished exposed flanges



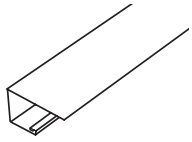
Item No. ◆	Length	(A) Flange	(B) Height	LFT/ Ctn.
7800_ _*†	144"	7/8"	7/8"	360
7800HRC	144"	7/8"	7/8"	360
7802	120"	7/8"	7/8"	300
7803_ _❖	144"	7/8"	7/8"	360
7804_ _†**	144"	9/16"	7/8"	360
7804HRC	144"	9/16"	7/8"	360
780410	120"	9/16"	7/8"	300
7805	120"	1-1/2"	1-1/2"	300
7807_ _****	120"	2"	1"	100
7808_ _***†**	120"	2"	2"	100
780812	144"	2"	2"	120
7809	144"	15/16"	15/16"	360
7813	120"	3"	1"	200
new **7850**	120"	1-1/8"	7/8"	360
new **7851**	144"	1-1/8"	7/8"	300
HD7801_ _***	120"	7/8"	7/8"	300
HD7801G90	120"	7/8"	7/8"	300
SS7801	120"	7/8"	7/8"	300
AL7801	120"	7/8"	7/8"	300
SWA9854HRC	144"	1-1/4"	1-1/4"	144
SWA9878HRC	144"	7/8"	7/8"	144

* Available in Adobe, Black, Cream, Haze, Camel, White, Platinum, Oyster, Pewter, Bronze, Silver, Copper, Wolf, Vanilla, Slate, White Aluminum, and Natural Aluminum
** Available in Black, Cream, Haze, Platinum, White, Camel, Silver Grey, Silver Satin, and Gun Metal Grey
*** Available in Silver Satin, Silver Grey, Gun Metal Grey, White Aluminum, Natural Aluminum, G90
**** Available in Black, White, Silver Grey, and Gun Metal Grey
❖ Pre-punched
† Items available with TrioGuard™ coating in White (WH3G)
◆ When specifying or ordering items with a color or finish, add the two-letter suffix to the end of the item number (e.g., 7807WH)

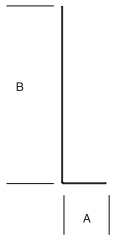
Slip-on molding:
For glue-up tile



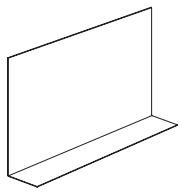
Item No.	Length	(A) Flange	(B) Height	LFT/ Ctn.
7842	120"	1/2"	5/8"	400
7843	120"	1/2"	3/4"	400



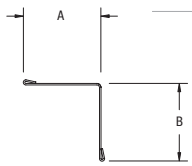
Fascia molding:
Prefinished exposed flanges



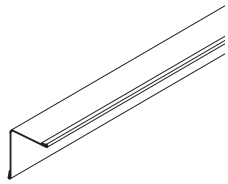
Item No.	Length	(A) Flange	(B) Height	LFT/ Ctn.
7814	120"	1"	4"	50
7816	120"	1"	6"	50
7818	120"	1"	8"	50



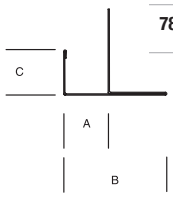
Reverse angle molding:
Hemmed with prefinished exposed flanges



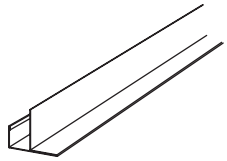
Item No.	Length	(A) Flange	(B) Height	LFT/ Ctn.
7857	144"	15/16"	15/16"	360
7858	144"	1-9/16"	15/16"	240



"F" molding:
For 1/2" and 5/8" drywall



Item No.	Length	(A) Width	(B) Face	(C) Flange	LFT/ Ctn.
7852	120"	1/2"	1-1/16"	7/8"	200
7856	120"	5/8"	1-3/16"	7/8"	200



For more information, see submittal BPCS-3296.

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Armstrong® CEILING & WALL SOLUTIONS

TRANSITION MOLDINGS

UP TO 61% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt; regional materials ✓; design for flexibility ✓; EPD; recyclable/ extended producer resp.; biobased materials; recycled content ✓; sourcing of raw materials ✓; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

Why use transition moldings?

- Easier to install:
  - Fewer parts and pieces; combines molding with drywall taping flange
  - Pre-punched vertical web to improve screw attachment
  - Knurled and slotted integral taping flange on items 7901, 7902, 7904, 7905, 7906, 7907, 7908 accommodates taping and finishing
  - Protective film on the face of the wall molding flange of 7904PF and 7905PF facilitates faster, easier mudding, sanding, and taping
  - Compatible with all types of framing including Armstrong® Drywall Grid and ShortSpan® Drywall Framing System
  - Factory-painted to match Armstrong Suspension Systems

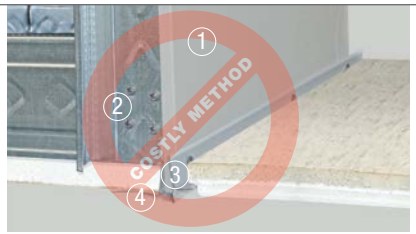
NOTE: Lay out drywall main beams parallel to the transition molding to maintain 4' O.C. hanger wire spacing.

Transition moldings save time and money.



1 Item: 7907 – 9/16" Tegular Transition Molding

Conventional transition methods waste time and material.



Transition moldings eliminate:

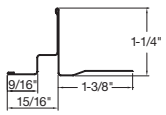
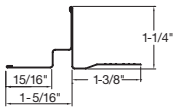
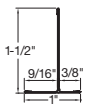
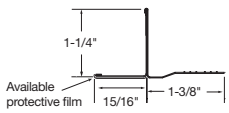
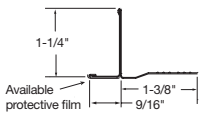
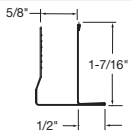
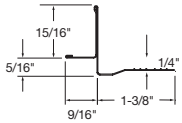
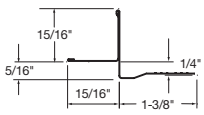
1 Vertical drywall return at the transition
2 Return framing to support drywall return
3 Separate acoustical wall angle installation
4 Corner bead and vertical taping

MATERIALS

Commercial-quality cold-rolled, hot-dipped galvanized steel, chemically cleansed.

COLOR

White (WH)

Item No.	Description	LFT/ Ctn.		
7901	9/16" Shadow Reveal Transition Molding 120", 3/8" shadow reveal with 9/16" horizontal flange	120		
7902	15/16" Shadow Reveal Transition Molding 120", 3/8" shadow reveal with 15/16" horizontal flange	120		
7903	1" Flush T Transition Molding 120", 1" inverted T for monolithic horizontal transitions	120		
7904 **7904PF***	15/16" Flush Transition Molding 120", 15/16" horizontal flange * Protective film applied to face of wall molding for easier finishing	120		
7905 **7905PF***	9/16" Flush Transition Molding 120", 9/16" horizontal flange * Protective film applied to face of wall molding for easier finishing	120		
7906	"F" Vertical Transition Molding 120" vertical transition	120		
7907	9/16" Tegular Transition Molding 120", 9/16" horizontal flange	120		
7908	15/16" Tegular Transition Molding 120", 15/16" horizontal flange	120		

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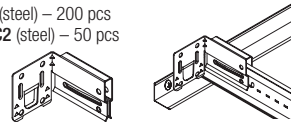
EXPOSED TEE SYSTEM ACCESSORIES

FastShip™ Clips and Accessories

The FastShip Clips and Accessories program offers over 90 items available for overnight or ground delivery direct to the jobsite in full-size or 50-piece cartons. Item numbers beginning with "FZ".

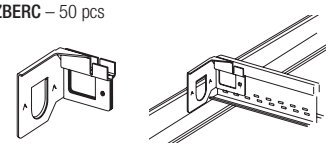
2" Beam End Retaining Clip – Joins main beam or cross tee to wall molding and web of suspension system with no visible pop rivets.

ALBERC2 (aluminum) – 200 pcs
FZALBERC2 (aluminum) – 50 pcs
BERC2 (steel) – 200 pcs
FZBERC2 (steel) – 50 pcs



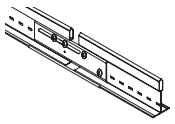
BERC – Beam End Retaining Clip – Joins web of main beam or cross tee to wall molding with no visible pop rivets.

BERC – 200 pcs
FZBERC – 50 pcs



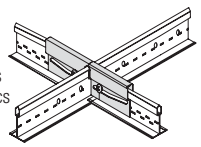
Seismic Joint Clip – Main Beam – Allows the ceiling to be divided at a splice on the main beam to accommodate the IBC mandate for ceiling areas greater than 2500 SF to have seismic separation joints. ES4 expansion sleeve is used to cover 3/4" gap.

SJMR15 for 15/16" – 100 pcs
FZSJMR15 for 15/16" – 50 pcs
SJMR9 for 9/16" – 100 pcs
FZSJMR9 for 9/16" – 50 pcs



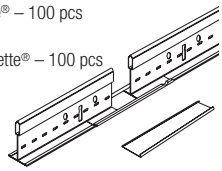
Seismic Joint Clip Cross Tee – Offers a tested seismic solution for separation joints in Seismic Category D, E, and F installations.

SJCG (PeakForm) – 200 pcs
FZSJCG (PeakForm) – 50 pcs
SJCSI (square bulbs) – 200 pcs
FZSJCSI (square bulbs) – 50 pcs



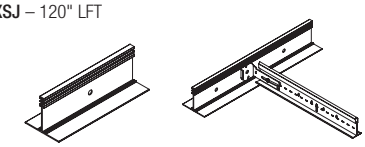
Expansion Sleeves

ES4 – for 15/16" Prelude® – 100 pcs
FZES4 – 50 pcs
ES49 – for 9/16" Suprafine® – 100 pcs
FZES49 – 50 pcs
ES76004 – for 1/4" Silhouette® – 100 pcs
FZES76004 – 50 pcs
ES76008 – for 1/8" Silhouette – 100 pcs
FZES76008 – 50 pcs



AXSJ-Axiom Slip Joint – Used to join two acoustical ceiling systems on seismic D, E, F installations. Can also be used to join two different ceiling systems. Hanger wire holes every 6", beginning 3" from each end.

AXSJ – 120" LFT



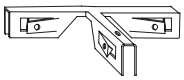
STAC – Single Tee Adapter Clip – Used to create code compliant non-seismic and seismic C and D, E, F off-module main beam to cross tee connections.

STAC – 120 pcs
FZSTAC – 50 pcs



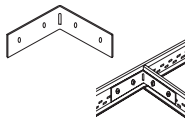
GC3W90 – Grip Clip 3-Way – Joins main beams to cross tee via locking barbs without pop rivets or screws.

GC3W90 – 250 pcs
FZGC3W90 – 50 pcs



XTACAG – Cross Tee Adapter Clip – Used to attach field-cut cross tees to main beams

XTACAG – 100 pcs
FZXTACAG – 50 pcs



GCWA – Grip Clip Wall Attachment – Joins main beam or cross tee to wall molding via locking barbs without pop rivets or screws.

GCWA – 250 pcs
FZGCWA – 50 pcs

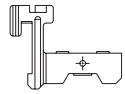


Closure Clips

MCC4G for Silhouette® 1/4" reveal – 200 pcs
FZMCC4G – 50 pcs
MCC8 for Silhouette 1/8" reveal – 200 pcs
FZMCC8 – 50 pcs
IES3 for Interlude® – 200 pcs
FZIES3 – 50 pcs

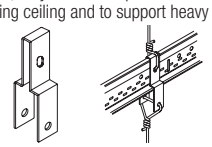
C1430 – Variable Placement Hook Clip – Attach to T-Bar to create special length tees and position anywhere along the main beams.

C1430 – 200 pcs
FZC1430 – 50 pcs



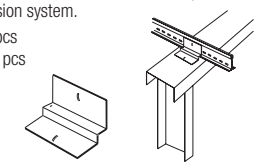
DLCC – Direct Load Ceiling Clip – To hang suspension system below existing 15/16" grid face, transferring weight directly to hanger wire; may be used to preserve the fire rating of an existing ceiling and to support heavy accessories.

DLCC – 250 pcs
FZDLCC – 50 pcs



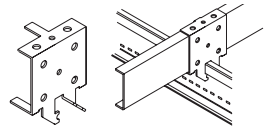
UPCAG – Partition Clip – Fastens partition track section to suspension system for secure attachment; flip for 9/16" or 15/16" suspension system.

UPCAG – 200 pcs
FZUPCAG – 50 pcs



UTC – Uptight Clip – For tight suspension system attachment to 1-1/2" channel; bridging under HVAC ducts; can be used to install the suspension system tight to wood joists.

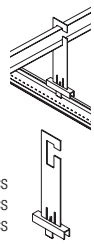
UTC – 250 pcs
FZUTC – 50 pcs



Channel Beam Splice – Used to suspend main beams to 1-1/2" black iron carrying channels.

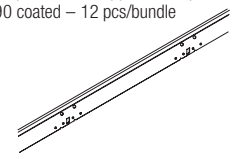
CBS4 (4") – 100pcs; **FZCBS4** – 50 pcs
CBS6 (6") – 100pcs; **FZCBS6** – 50 pcs
CBS8 (8") – 100pcs; **FZCBS8** – 50 pcs
CBS10 (10") – 100pcs; **FZCBS10** – 50 pcs
CBS12 (12") – 75pcs; **FZCBS12** – 50 pcs

For 2" Black Iron
CBS2004A (4") – 75pcs; **FZCBS2004A** – 50 pcs
CBS2006A (6") – 75pcs; **FZCBS2006A** – 50 pcs
CBS2008A (8") – 75pcs; **FZCBS2008A** – 50 pcs



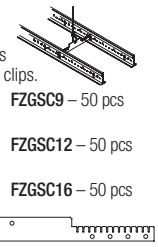
SH12 – Peak Form Support Hanger – For suspension systems 12" knock out at 12" on-center.

SB12 Square Bulb Support Hanger – 12 pcs/bundle
SB12G90 Square Bulb Support – 12 pcs/bundle
Hanger G90 coated – 12 pcs/bundle



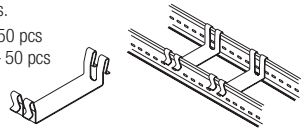
Adjustable Grid Spacer Clip –
Used to space two parallel main beams for light fixtures, air diffusers, etc.; allows for 1/4" adjustments with three different clips.

GSC9 Main Beam Center Line Spacing 2'1/2" - 8'1/2" – 100 pcs — **FZGSC9** – 50 pcs
GSC12 Main Beam Center Line Spacing 5'1/2" - 11'1/2" – 100 pcs — **FZGSC12** – 50 pcs
GSC16 Main BeamCenter Line Spacing 9'1/2" - 15'1/2" – 100 pcs — **FZGSC16** – 50 pcs



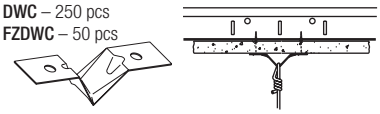
ABSC – Air Bar Spacer Clip – Parallel attachment of main beams; evenly spaces suspension system members for air diffuser; available in sizes from 1-7/8" to 6" in 1/8" increments.

ABSC – 250 pcs
FZABSC – 50 pcs



DWC – Drywall Clip – Allows for a "second" ceiling to be installed below a drywall ceiling; attach through installed drywall to supporting structure; DWC approved for use in UL Designs P237, P239, P240, and P241.

DWC – 250 pcs
FZDWC – 50 pcs



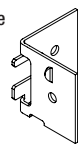
7872 – 12" Stiffening Brace
20 pcs

7876 – Field Rout Tool
1 pc

ARPLUG – Cross Tee Plug Clip
80 pcs

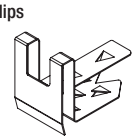
TZYK/TZBC – TechZone™ Yoke & Brace

TZYK TechZone Yoke – 100 pcs
FZTZYK TechZone Yoke – 50 pcs



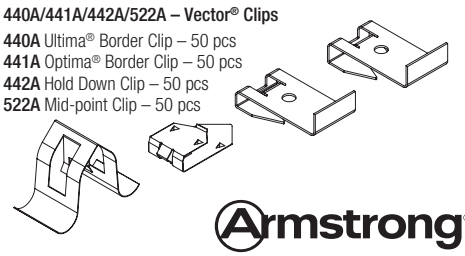
435A/436A – Optima® Stabilizer Clips

7425 24" Stabilizer Bar – 100 pcs
7445 48" Stabilizer Bar – 100 pcs



440A/441A/442A/522A – Vector® Clips

440A Ultima® Border Clip – 50 pcs
441A Optima® Border Clip – 50 pcs
442A Hold Down Clip – 50 pcs
522A Mid-point Clip – 50 pcs



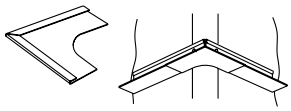
Armstrong® CEILING & WALL SOLUTIONS

EXPOSED TEE SYSTEM ACCESSORIES

7866 – Bullnose Corner Cover – For nominal 7/8" molding; snap over molding to trim outside corners; fits 1" radius block; 2" legs.

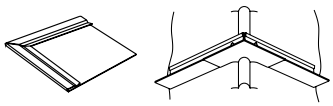
7864 – Bullnose Corner Cover – For nominal 7/8" molding; fits 3/4" radius block; 2" legs.

7866 – 100 pcs
FZ7866 – 50 pcs
7864 – 100 pcs
FZ7864 – 50 pcs



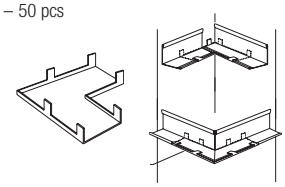
7867 – Field-Cut Corner Cover – For nominal 15/16" molding; cut to fit irregular corner conditions; 2" legs.

7867 – 100 pcs
FZ7867 – 50 pcs



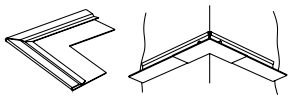
7869 – Inside/Outside Corner Cover – For nominal 7/8" angle molding; 1-3/4" legs.

7869 – 50 pcs



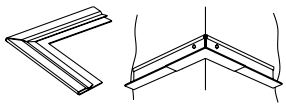
7863 – Outside Corner Cover – For nominal 7/8" angle molding; snap over molding to trim outside corners; 2" legs.

7863 – 100 pcs
FZ7863 – 50 pcs



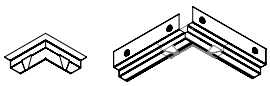
7865 – Outside Corner Cover – For nominal 9/16" angle molding; snap over molding to trim outside corners; 2" legs.

7865 – 100 pcs
FZ7865 – 50 pcs



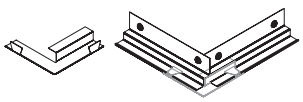
Shadow Molding – Inside Corner – Snaps over mold to easily trim inside corner:

7874IC use with 7874 – 100 pcs; **FZ7874IC** – 50 pcs
7861 use with 7873 – 100 pcs; **FZ7861** – 50 pcs
877IC use with 7877 – 100 pcs; **FZ877IC** – 50 pcs
7878IC use with 7878 – 100 pcs; **FZ7878IC** – 50 pcs



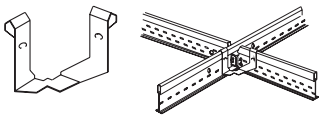
Shadow Molding – Outside Corner – snaps over mold to easily trim outside corner:

78740C use with 7874 – 100 pcs; **FZ78740C** – 50 pcs
7862 use with 7873 – 100 pcs; **FZ7862** – 50 pcs
7877OC use with 7877 – 100 pcs; **FZ7877OC** – 50 pcs
7878OC use with 7878 – 100 pcs; **FZ7878OC** – 50 pcs



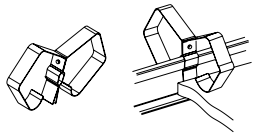
LFC – Fixture Clip – Prefinished White for use at corners of light fixture modules on 9/16" exposed tee suspension systems (Suprafine®, Interlude®, Silhouette®); increases corner size to 15/16" which adapts light fixtures designed for the 15/16" suspension system; used when fixtures are not positively attached to the suspension system.

LFC – 50 pcs; **FZLFC** – 50 pcs



414AG – Retention Clip – Attaches to main beams and cross tees behind lay-in ceiling; helps prevent accidental panel displacement by basketballs and other forces from below the ceiling.

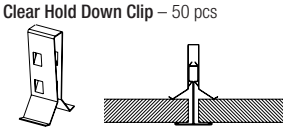
414AG – 100 pcs
FZ414AG – 50 pcs



UHDCA – Universal Hold Down Clip – Attaches to top bulb of the suspension system to hold 1/16" to 5/8" lay-in panel in place; helps to prevent ceiling panel fluttering at entryways.

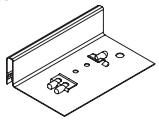
UHDCA – 1,000 pcs
FZUHDCA – 50 pcs

CHDC – Clear Hold Down Clip – 50 pcs



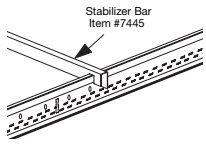
DW58LT – Transition Clip for 5/8" Drywall – Facilitates transition from drywall to acoustical ceiling; one-sided hold down clip; eliminates need for drywall bead. Locking tabs provide secure location for DGS tees.

DW50LT – Transition Clip for 1/2" Drywall – 125 pcs
FZDW50LT – 50 pcs



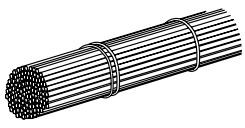
7445 – 48" Stabilizer Bar – 100 pcs; **7445** – 50 pcs
7425 – 24" Stabilizer Bar – 100 pcs; **7425** – 50 pcs

Used to maintain uniform spacing of suspension system components (main beams and cross tees).

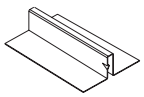


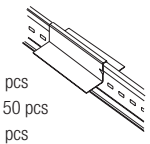
7891 – 12 Gauge Soft Hanger Wire (12' length) – Used to hang suspended ceilings from structural deck.

7891 – 140 pcs



EHDC50A – Exterior Hold Down Clip for 1/2" lay-in ceiling panels and drywall;
EHDC58AG – Exterior Hold Down Clip for 5/8" lay-in ceiling panels and drywall;
EHDC75A – Exterior Hold Down Clip for 3/4" lay-in ceiling panels and drywall; locks under bulb of suspension system member to prevent upward movement.

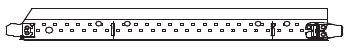




EHDC50A – 125 pcs; **FZEHDC50A** – 50 pcs
EHDC58AG – 125 pcs; **FZEHDC58AG** – 50 pcs
EHDC75A – 125 pcs; **FZEHDC75A** – 50 pcs

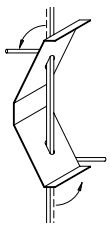
GA7327 – Grid Adapter – Allows for easy directional changes of Prelude Main® beams; 27" long component has two different end details. One end has a SuperLock™ clip with a rout 3" from the end, opposite end has an XL² clip with override end detail. This enables the adapter to be connected to either end of a Prelude main beam or plugged into a rout location on a main beam or cross tee.

GA7327 – 60 pcs

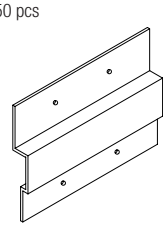


WS12 – Hanger Wire Splice – Splices #12 gauge hanger wire; recommended for renovation applications; provides easy adjustment of ceiling height.

WS12 – 1,000 pcs
FZWS12 – 50 pcs



BACG90A – Wind Uplift Clip – 250 pcs
FZBAGG90A – 50 pcs



12 lb. Aircraft Cable and Connectors

AC1210 – 10' length
AC1215 – 15' length
AC1220 – 20' length
ACHC – Cable Quick Loop Connector

1 pc

LEED® is a registered trademark of the U.S. Green Building Council

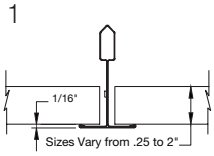
CEILING/SUSPENSION SYSTEM INTERFACE DRAWINGS

RECOMMENDED MOLDING KEY:

A – Installs with any flex molding, angle molding, shadow molding from moldings pages 376-378
B – 7800, 7874 or seismic 7877, 7888
C – ES7801 or EA7801
D – 7800, 7873, 7878, 7888, 7889
E – 7835, 7835SC
F – 7804, 7874, 7889 or seismic 7800, 7877, 7888
G – 7804, 7873 or seismic 7800 or 7878, 7889
H – 7800 or Shadow 7875, 7897

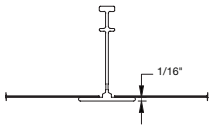
15/16" LAY-IN & FLUSH TEGULAR EDGE DETAILS

1



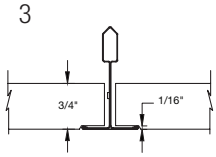
Square Lay-in for 15/16" PRELUDE®
Molding A

2



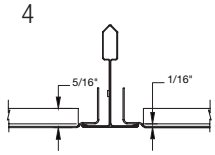
Lay-in for 15/16" SERPENTINA®
No molding recommended

3



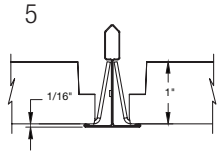
Flush Tegular for 15/16" PRELUDE
Molding A

4



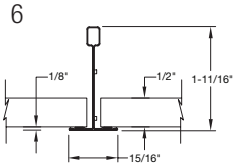
METALWORKS Flush Tegular for 15/16" PRELUDE
Molding E

5



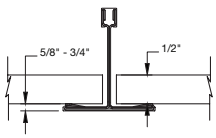
15/16" METALWORKS™ SECURELOCK
Molding 5656WH

6



Square Lay-in for 15/16" CLEAN ROOM™
Molding C

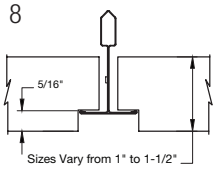
7



Square Lay-in for 1-1/2" CLEAN ROOM
Molding C

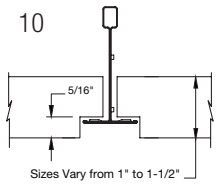
15/16" TEGULAR EDGE DETAILS

8



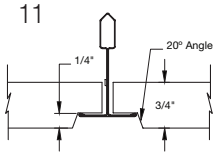
Square Tegular for 15/16" PRELUDE
Molding B

10



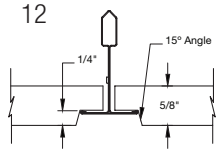
Square Tegular for 15/16" Clean Room
Molding C

11



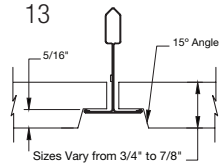
Angled Tegular for 15/16" PRELUDE (Second Look®: Cortega®, Dune™, Fine Fissured™, Mesa™)
Molding B

12



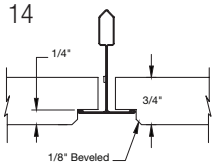
Angled Tegular for 15/16" PRELUDE
Molding B

13



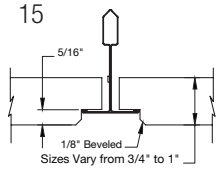
Angled Tegular for 15/16" PRELUDE
Molding B

14



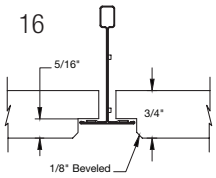
Beveled Tegular for 15/16" PRELUDE (Cirrus®, Second Look)
Molding B

15



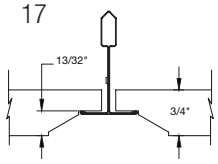
Beveled Tegular for 15/16" PRELUDE
Molding B

16



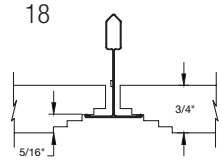
Beveled Tegular for 15/16" Clean Room (Ultima® Health Zone™)
Molding C

17



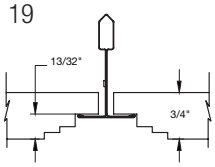
Chamfered Tegular for 15/16" PRELUDE
Molding D

18



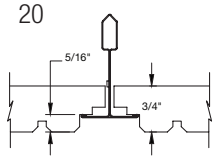
Stepped Tegular for 15/16" PRELUDE
Molding B

19



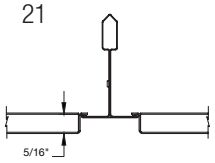
Stepped Tegular for 15/16" PRELUDE (626 only)
Molding D

20



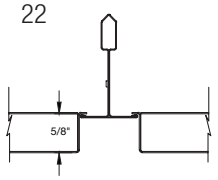
Linear/Cubic Beveled GRAPHIS® for 15/16" PRELUDE
Molding B

21



METALWORKS 5/16" Square Tegular for 15/16" PRELUDE
Molding E

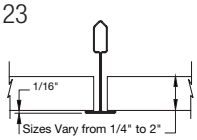
22



METALWORKS 5/8" Square Tegular for 15/16" PRELUDE
Molding E

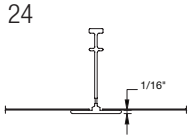
9/16" LAY-IN & FLUSH TEGULAR EDGE DETAILS

23



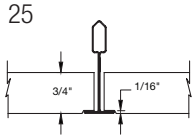
Square Lay-in for 9/16" SUPRAFINE®
Molding E

24



Lay-in for 9/16" SERPENTINA
No molding recommended

25



Flush Tegular for 9/16" SUPRAFINE
Molding E

Armstrong® CEILING & WALL SOLUTIONS

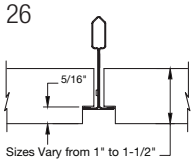
CEILING/SUSPENSION SYSTEM INTERFACE DRAWINGS

RECOMMENDED MOLDING KEY:

A – Installs with any flex molding, angle molding, shadow molding from moldings pages 376-378
B – 7800, 7874 or seismic 7877, 7888
C – ES7801 or EA7801
D – 7800, 7873, 7878, 7888, 7889
E – 7835, 7835SC
F – 7804, 7874, 7889 or seismic 7800, 7877, 7888
G – 7804, 7873 or seismic 7800 or 7878, 7889
H – 7800 or Shadow 7875, 7897

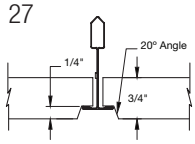
9/16" TEGULAR EDGE DETAILS

26



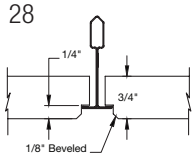
Square Tegular for 9/16" SUPRAFINE®
Molding F

27



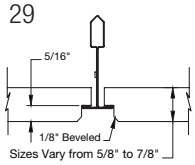
Angled Tegular for 9/16" SUPRAFINE (Second Look®: Cortega®, Dune™, Fine Fissured™)
Molding F

28



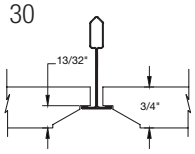
Beveled Tegular for 9/16" SUPRAFINE (Cirrus®, Second Look)
Molding F

29



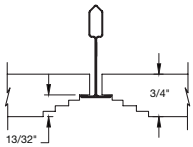
Beveled Tegular for 9/16" SUPRAFINE
Molding F

30



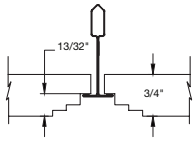
Chamfered Tegular for 9/16" SUPRAFINE
Molding G

31



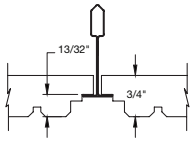
Stepped Tegular for 9/16" SUPRAFINE (591)
Molding G

32



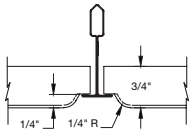
Stepped Tegular for 9/16" SUPRAFINE (585)
Molding G

33



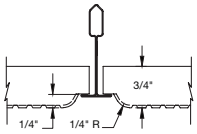
Linear/Cubic Beveled GRAPHIS® for 9/16" SUPRAFINE
Molding G

34



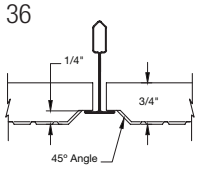
Wrapped Linear GRAPHIS for 9/16" SUPRAFINE
Molding F

35



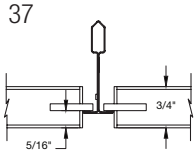
NeoCubic GRAPHIS for 9/16" SUPRAFINE
Molding F

36



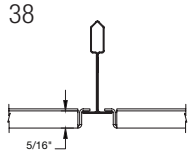
Cubic GRAPHIS for 9/16" SUPRAFINE
Molding F

37



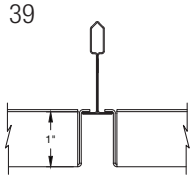
WOODWORKS® Tegular for 9/16" SUPRAFINE
Molding F

38



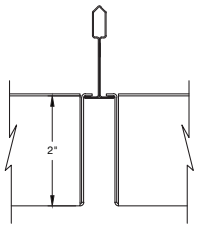
METALWORKS™ 3D (7220) and METALWORKS Tegular (6464) for 9/16" SUPRAFINE
Molding E

39



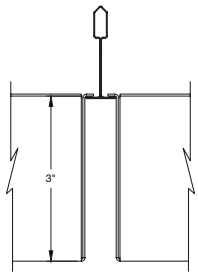
METALWORKS 3D (7220DNI) for 9/16" SUPRAFINE
No molding recommended

40



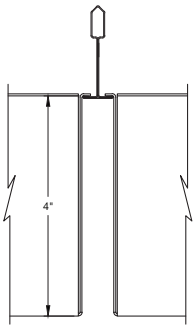
METALWORKS 3D (7220DN2) for 9/16" SUPRAFINE
No molding recommended

41



METALWORKS 3D (7220DN3) for 9/16" SUPRAFINE
No molding recommended

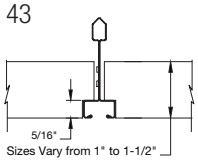
42



METALWORKS 3D (7220DN4) for 9/16" SUPRAFINE
No molding recommended

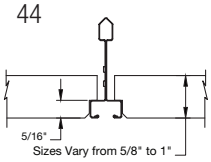
9/16" – 1/4" SILHOUETTE® XL EDGE DETAILS

43



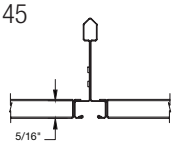
Square Tegular for 9/16" SILHOUETTE 1/4" Reveal
Molding F

44



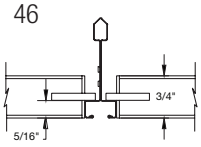
Beveled Tegular for 9/16" SILHOUETTE 1/4" Reveal
Molding F

45



METALWORKS 9/16" Square Tegular for SILHOUETTE 1/4" Reveal
Molding E

46



WOODWORKS 9/16" Square Tegular for SILHOUETTE 1/4" Reveal
Molding F

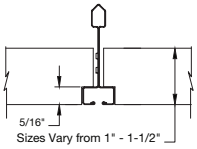
CEILING/SUSPENSION SYSTEM INTERFACE DRAWINGS

RECOMMENDED MOLDING KEY:

A – Installs with any flex molding, angle molding, shadow molding from moldings pages 376-378
B – 7800, 7874 or seismic 7877, 7888
C – ES7801 or EA7801
D – 7800, 7873, 7878, 7888, 7889
E – 7835, 7835SC
F – 7804, 7874, 7889 or seismic 7800, 7877, 7888
G – 7804, 7873 or seismic 7800 or 7878, 7889
H – 7800 or Shadow 7875, 7897

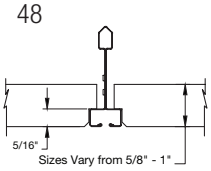
9/16" – 1/8" SILHOUETTE® XL® EDGE DETAILS

47



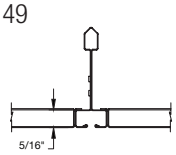
Square Tegular for 9/16" SILHOUETTE® 1/8" Reveal
Molding F

48



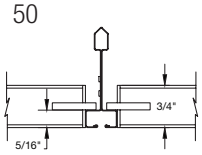
Beveled Tegular for 9/16" SILHOUETTE 1/8" Reveal
Molding F

49



METALWORKS™ 5/16" Square Tegular for SILHOUETTE 1/8" Reveal
Molding E

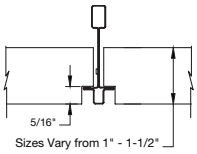
50



WOODWORKS® Square Tegular for SILHOUETTE 1/8" Reveal
Molding F

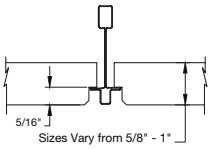
9/16" INTERLUDE® XL EDGE DETAILS

51



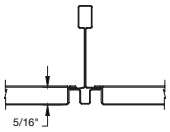
Square Tegular for 9/16" INTERLUDE®
Molding F

52



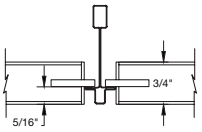
Beveled Tegular for 9/16" INTERLUDE
Molding F

53



METALWORKS 5/16" Square Tegular for INTERLUDE® XL® HRC
Molding E

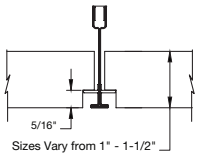
54



WOODWORKS Square Tegular for INTERLUDE XL HRC
Molding F

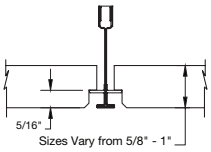
9/16" SONATA® XL® EDGE DETAILS

55



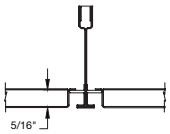
Square Tegular for 9/16" SONATA
Molding F

56



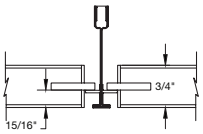
Beveled Tegular for 9/16" SONATA
Molding F

57



METALWORKS 5/16" Square Tegular for SONATA
Molding E

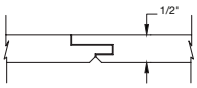
58



WOODWORKS Square Tegular for SONATA
Molding F

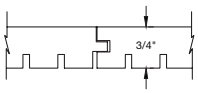
TONGUE-AND-GROOVE EDGE DETAILS

63



Tongue-and-Groove Beveled Edge Tile
No molding recommended

65



Tongue-and-Groove WOODWORKS Channeled
Molding 7805

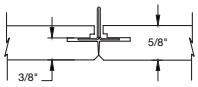
CEILING/SUSPENSION SYSTEM INTERFACE DRAWINGS

RECOMMENDED MOLDING KEY:

A – Installs with any flex molding, angle molding, shadow molding from moldings pages 376-378
B – 7800, 7874 or seismic 7877, 7888
C – ES7801 or EA7801
D – 7800, 7873, 7878, 7888, 7889
E – 7835, 7835SC
F – 7804, 7874, 7889 or seismic 7800, 7877, 7888
G – 7804, 7873 or seismic 7800 or 7878, 7889
H – 7800 or Shadow 7875, 7897

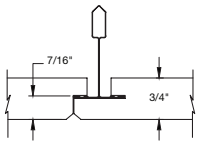
CONCEALED SUSPENSION EDGE DETAILS

66



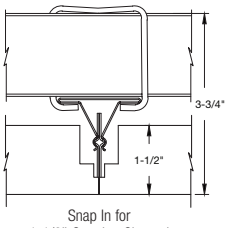
Beveled Edge K4C4 Tile for Concealed Tee
Molding 7800

67



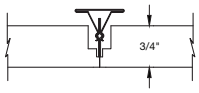
ULTIMA® Plank Shiplap Long Edge
Molding 7800

68



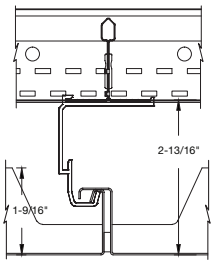
Snap In for 1-1/2" Carrying Channel
Molding 7125

69



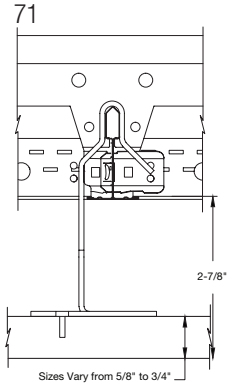
Snap In for 15/16" PRELUDE®
Molding 7125

70



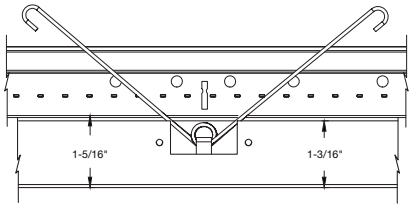
METALWORKS™ Plank

71



Concealed for 15/16" PRELUDE, WOODWORKS® Concealed, WOODWORKS Tapered Linear, METALWORKS Concealed
Molding 7800

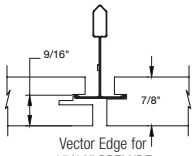
72



Standard METALWORKS Torsion Spring for 15/16" PRELUDE
Molding 7125

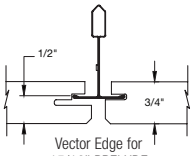
VECTOR® EDGE DETAILS

73



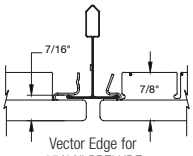
Vector Edge for 15/16" PRELUDE (OPTIMA® Vector®)
Molding H

74



Vector Edge for 15/16" PRELUDE (ULTIMA® Vector®)
Molding H

75



Vector Edge for 15/16" PRELUDE (METALWORKS Vector)
Molding D

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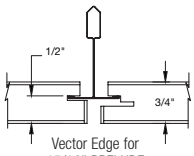
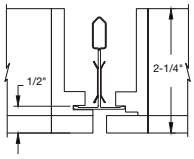


Vector Edge for 15/16" PRELUDE (WOODWORKS® Vector®)
Molding 7800

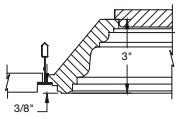
77



WOODWORKS Open Cell Vector
Molding 7800

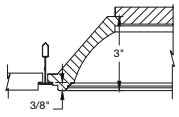
METAPHORS® EDGE DETAILS

78



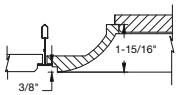
METAPHORS Crown Coffer for 9/16" SUPRAFINE®

79



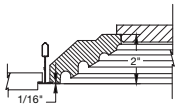
METAPHORS Cove Coffer for 9/16" SUPRAFINE

80



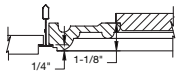
METAPHORS Convex Coffer for 9/16" SUPRAFINE

81



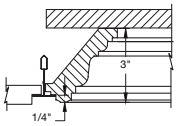
METAPHORS Linear Coffer for 9/16" SUPRAFINE

82



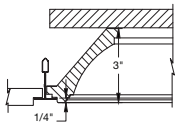
METAPHORS Bead Coffer for 9/16" SUPRAFINE

83



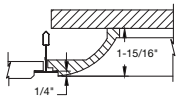
METAPHORS Crown Coffer for 15/16" PRELUDE

84



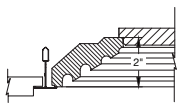
METAPHORS Cove Coffer for 15/16" PRELUDE

85



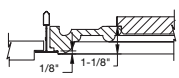
METAPHORS Convex Coffer for 15/16" PRELUDE

86



METAPHORS Linear Coffer for 15/16" PRELUDE

87



METAPHORS Bead Coffer for 15/16" PRELUDE

CEILING/SUSPENSION SYSTEM INTERFACE DRAWINGS

RECOMMENDED MOLDING KEY:

A – Installs with any flex molding, angle molding, shadow molding from moldings pages 376-378
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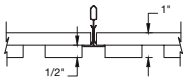
E – 7835, 7835SC
F – 7804, 7874, 7889 or seismic 7800, 7877, 7888
G – 7804, 7873 or seismic 7800 or 7878, 7889
H – 7800 or Shadow 7875, 7897

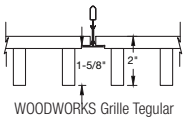
OTHER EDGE DETAILS

88



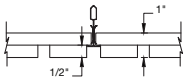
WOODWORKS® Grille Tegular
Horizontal slats for
15/16" PRELUDE®
Molding H

89



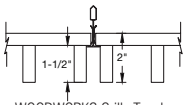
WOODWORKS Grille Tegular
Vertical slats for
15/16" PRELUDE
Molding H

90



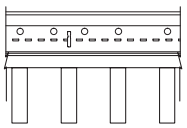
WOODWORKS Grille Tegular
Horizontal slats for
9/16" SUPRAFINE®
Molding F

91



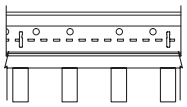
WOODWORKS Grille Tegular
Vertical slats for
9/16" SUPRAFINE
Molding F

92



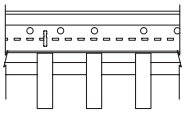
WOODWORKS Grille Backer
6 slats – 2-1/4"
Molding 7800 only

93



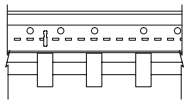
WOODWORKS Grille Backer
6 slats – 1-3/8"
Molding 7800 only

94



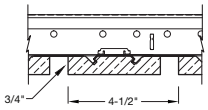
WOODWORKS Grille Dowel
6 slats – 2-1/4"
Molding 7800 only

95



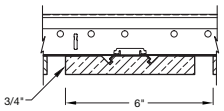
WOODWORKS Grille Dowel
6 slats – 1-3/8"
Molding 7800 only

96



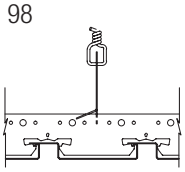
WOODWORKS Linear – 4-1/2" Module
Molding 7800 only

97



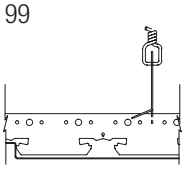
WOODWORKS Linear – 6" Module
Molding 7800 only

98



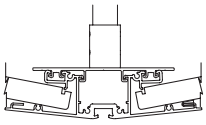
METALWORKS™ Linear – 4"
Molding 5572

99



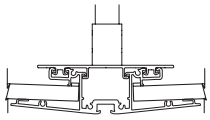
METALWORKS Linear – 8"
Molding 5572

100



METALWORKS™ Wings
No molding recommended

101



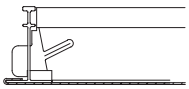
INFUSIONS® Wings
No molding recommended

102



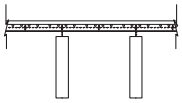
SERPENTINA®
Perimeter Trim

103



SERPENTINA Vault

104



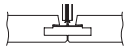
SOUNDSCAPES® Blades™

105



METALWORKS Tin Nail-up

106



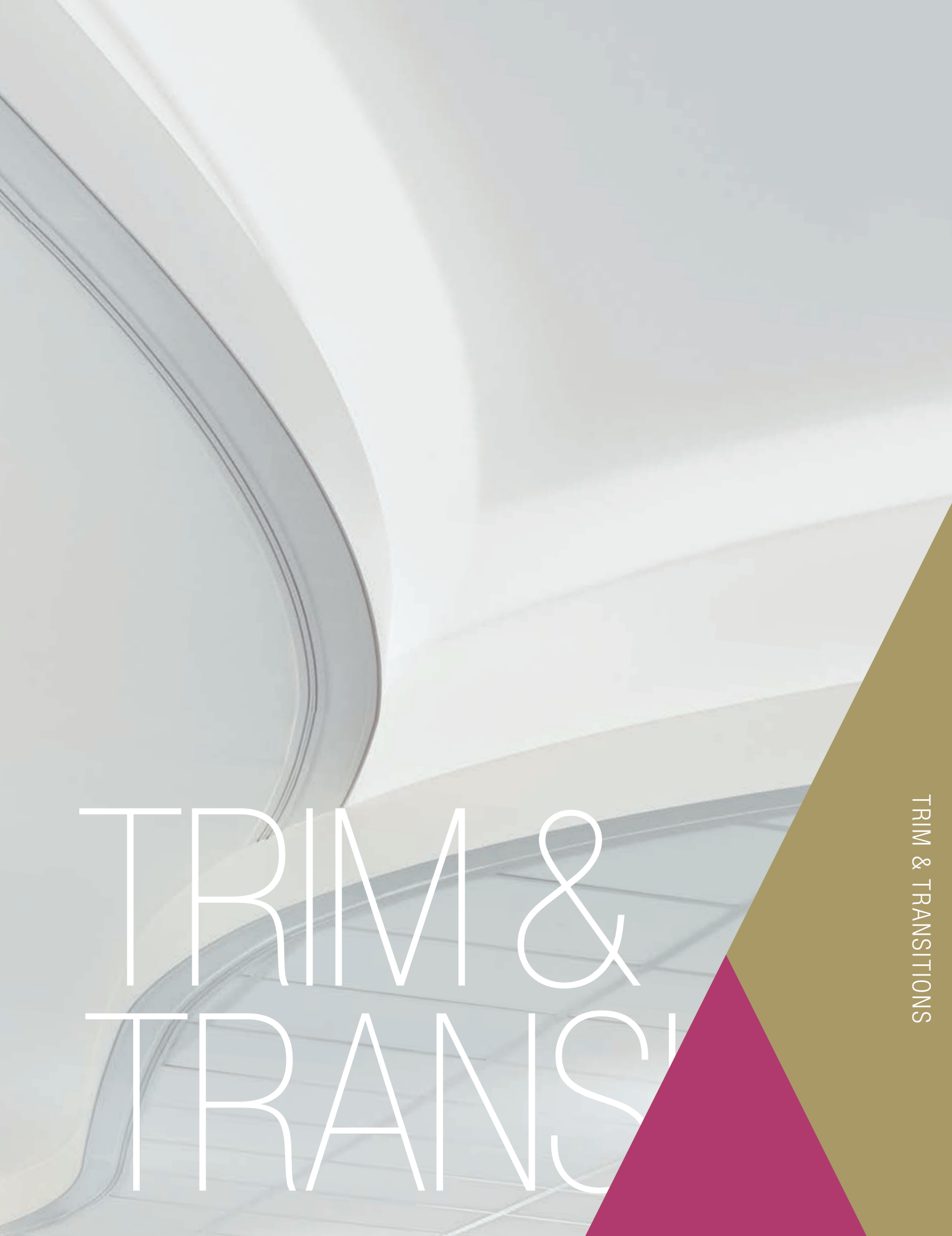
Quick Kerf™ Edge



Non-support Edge

OPTIMA® Concealed

Armstrong®
CEILING & WALL SOLUTIONS



TRIM & TRANSI

AXIOM® TRIM & TRANSITIONS
At-a-Glance

you inspire™
solutions center
helping to bring your one-of-a-kind ideas to life

AXIOM® TRIM & TRANSITIONS



AXIOM® Classic
Pgs. 415-416



AXIOM® Trim for Drywall
Pg. 417



AXIOM® Glazing Channel
Pg. 418



AXIOM® for Interlude®
Pg. 419



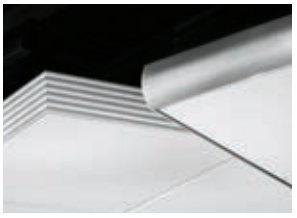
AXIOM® Knife Edge®
Pg. 420



AXIOM® Paired
Pg. 421



AXIOM® Profiled
Pg. 422



AXIOM® Soft Edge
Pg. 423



AXIOM® Transitions
Pgs. 424-425



AXIOM® Vector®
Pg. 426



AXIOM® Moldings & Column Rings
Pg. 427

ICON KEY

Icons are used throughout the catalog to help you quickly identify key product attributes.

Humidity/Corrosion Resistance
Humiguard® Plus recommended for areas subject to high humidity up to, but not including, standing water.

Seismic
Category D, E & F

Color Availability
Available in color

Sustainability
Product is part of Sustain™ Portfolio and meets the most stringent sustainability compliance standards today.

NOTE: Add 2-digit color suffix to the item number when specifying or ordering Axiom trim with standard face-painted colors.
(Example: **AX16STR H A**)

Axiom item numbers may include an extra digit "3" before the color suffix if paint is required inside and outside of the trim.

AX16STR 3 HA
ITEM — 360° Painted — Haze

Use an extra suffix (W – white, or B – black) before color suffix when ordering film finishes to designate the color background.

AX16STR W BB
ITEM — white background — Buffed Bronze

NOTE: White is standard color for all Axiom products.

Reference individual Axiom product line data pages for specific color and finish availability.

Custom colors and finishes are available. Contact Axiom Customer Service at 1 800-840-8521.

AXIOM® COLORS
At-a-Glance

STANDARD COLORS
Due to printing limitations, shade may vary from actual product.

White (WH) | Cream (CR) | Haze (HA) | Adobe (AD) | Camel (CM) | Platinum (PL) | Tech Black (BL) | Silver Satin (SA) | Silver Grey (SG) | Gun Metal Grey (MY) | RAL and Custom Colors Available

COLORATIONS®
(Coordinates with Calla® Colorations® ceiling panels and Suprafine® suspension systems)

Shell (SH) | Pale Lemon (LM) | Pecan (PC) | Sky (SK) | Moss (MS) | Stone (SE) | Reef (RE) | Lagoon (LA) | Plum (PM) | Cranberry (CN) | Kiwi (KW) | Tangerine (TG) | Black (BK) | Made-to-order Sherwin-Williams® Colors Available





Refer to BPCS-3996 Axiom® Color Chart for Colorations® finishes, available on coordinating Calla® ceiling panels, Suprafine® 9/16" suspension system which coordinate with select Axiom trim systems.

ARCHITECTURAL FILM FINISHES
(Available with white or black background)

Brushed Anodized (BA) | Buffed Bronze (BB) | Brushed Gun Metal (BG) | Etched Gun Metal (EG) | Mottled Silver Grey (MG)

NOTE: White is standard color for all AXIOM products.

BLIZZARD WHITE POWDER-COATED FINISH

Blizzard White (ZW)

NOTE: Blizzard White finish available on select Axiom® Classic, Knife Edge®, and Vector® trim profiles

RAL® is a registered trademark of RAL gGmbH
Sherwin-Williams® is a registered trademark of The Sherwin-Williams Company

AXIOM® Classic

Trim
straight and curved



This extruded aluminum perimeter trim is a solution for use as exposed custom decorative trim with suspended panels or drywall.

KEY SELECTION ATTRIBUTES

- Adjustable Trim Clip (7239) makes Axiom® Classic Trim compatible with WoodWorks® and MetalWorks™ panels ranging from 0" to 3-3/4" thick
- Crisp-edge detailing and excellent corrosion resistance compared to steel systems
- Axiom® trim is part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today
- Eight profile heights
- Compatible with Armstrong® Suspension Systems and Drywall Grid Systems
- Finely articulated drywall trim with beaded edge integrates with all trim profiles for pre-engineered drywall transitions
- Colors coordinate with Armstrong® ceiling and suspension systems, Colorations® colors; custom colors available
- Design flexibility for straight and curved applications
- 10-Year Limited warranty, 30-year system warranty



Custom slotting, perforating, and cutouts available for this Axiom® product.

COLORS Due to printing limitations, shade may vary from actual product.

Standard

White (WH) · Cream (CR) · Haze (HA) · Camel (CM) · Platinum (PL)

Tech Black (BL) · Silver Satin (SA) · Silver Grey (SG) · Gun Metal Grey (MY)



RAL® and Custom Colors Available

NOTE: 360º paint finishes and custom colors available as special order

ARCHITECTURAL FILM FINISHES
(white or black background)

Brushed Anodized (BA) · Buffed Bronze (BB) · Brushed Gun Metal (BG) · Etched Gun Metal (EG) · Mottled Silver Grey (MG)

NOTE: White is standard color for all AXIOM products.

COLORATIONS® COLORS

White (WH) · Shell (SH) · Pale Lemon (LM) · Pecan (PC) · Sky (SK) · Moss (MS) · Stone (SE) · Reef (RE)

Lagoon (LA) · Plum (PM) · Cranberry (CN) · Kiwi (KW) · Tangerine (TG) · Black (BK)



Made-to-order Sherwin-Williams® Colors Available

BLIZZARD WHITE POWDER-COATED FINISH

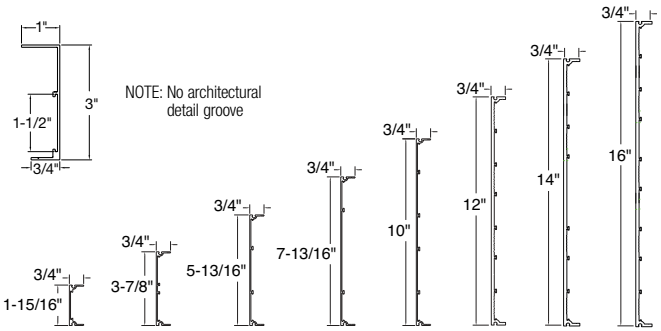
Blizzard White (ZW)

NOTE: Blizzard White finish available on select Axiom® Classic, Knife Edge®, and Vector® trim profiles

VISUAL SELECTION

Item No. ◆	Description	Dimensions
AXIOM® Classic Trim (Available Straight or Curved)		
AX16STR*_ _ _	16" Straight Only	120 x 3/4 x 16"
AX14STR*_ _ _	14" Straight Only	120 x 3/4 x 14"
AX12STR_ _ _	12" Straight	120 x 3/4 x 12"
AX12CUR*_ _ _	12" Curved	Vary x 3/4 x 12"
AX10STR_ _ _	10" Straight	120 x 3/4 x 10"
AX10CUR*_ _ _	10" Curved	Vary x 3/4 x 10"
AX8STR_ _ _	8" Straight	120 x 3/4 x 8"
AX8CUR*_ _ _	8" Curved	Vary x 3/4 x 8"
AX6STR_ _ _	6" Straight	120 x 3/4 x 6"
AX6CUR*_ _ _	6" Curved	Vary x 3/4 x 6"
AX4STR_ _ _	4" Straight	120 x 3/4 x 4"
AX4CUR*_ _ _	4" Curved	Vary x 3/4 x 4"
AX3STR_ _ _	3" Straight	120 x 3/4 x 3"
AX3CUR*_ _ _	3" Curved	120 x 3/4 x 3"
AX2STR_ _ _	2" Straight	120 x 3/4 x 2"
AX2CUR*_ _ _	2" Curved	Vary x 3/4 x 2"

Trim Channel: Aluminum extrusions formed with distinct architectural detail groove on top and bottom flanges and special bosses to receive the T-Bar Connection Clip, Hanging Clip, and Splice Plate, to provide positive mechanical lock with no visible fasteners. Factory-finished to match approved samples. Factory or field-cut, mitered, and curved to match approved shop drawings.



* Not available in architectural film finishes.
◆ Add the 2-digit color suffix to the item number when specifying or ordering (Example: AX2STR H A), add an extra digit "3" before the color suffix if paint is required inside and outside of trim (Example: AX2STR 3 H A).

AXIOM® Classic

Trim
straight and curved

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

50% ALUMINUM RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

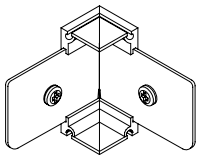
LEED®: energy management; construction waste mgmt; regional materials; design for flexibility; EPD; recyclable/extended producer resp.; biobased materials; recycled content; sourcing of raw materials; material ingredient reporting; low emitting/materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

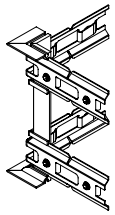
VISUAL SELECTION

Item No. ◆	Description	Dimensions
AXIOM® Classic Corner Posts*		
AX12OSCP_ _	12" Outside Corner Post	7/8 x 7/8 x 12"
AX12ISCP_ _	12" Inside Corner Post	3/4 x 3/4 x 12"
AX10OSCP_ _	10" Outside Corner Post	7/8 x 7/8 x 10"
AX10ISCP_ _	10" Inside Corner Post	3/4 x 3/4 x 10"
AX8OSCP_ _	8" Outside Corner Post	7/8 x 7/8 x 8"
AX8ISCP_ _	8" Inside Corner Post	3/4 x 3/4 x 8"
AX6OSCP_ _	6" Outside Corner Post	7/8 x 7/8 x 6"
AX6ISCP_ _	6" Inside Corner Post	3/4 x 3/4 x 6"
AX4OSCP_ _	4" Outside Corner Post	7/8 x 7/8 x 4"
AX4ISCP_ _	4" Inside Corner Post	3/4 x 3/4 x 4"
AX2OSCP_ _	2" Outside Corner Post	7/8 x 7/8 x 2"
AX2ISCP_ _	2" Inside Corner Post	3/4 x 3/4 x 2"

Axiom corner posts eliminate miter cuts at corners for a fast and easy installation.



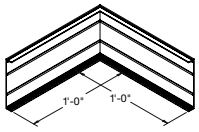
Axiom Outside Corner Post



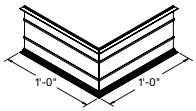
Axiom Inside Corner Post

AXIOM® Classic Pre-mitered Corners		
AX16QSOS*_ _ _	16" Outside Corner	12 x 3/4 x 16"
AX16QSIS*_ _ _	16" Inside Corner	12 x 3/4 x 16"
AX14QSOS*_ _ _	14" Outside Corner	12 x 3/4 x 14"
AX14QSIS*_ _ _	14" Inside Corner	12 x 3/4 x 14"
AX12QSOS_ _ _	12" Outside Corner	12 x 3/4 x 12"
AX12QSIS_ _ _	12" Inside Corner	12 x 3/4 x 12"
AX10QSOS_ _ _	10" Outside Corner	12 x 3/4 x 10"
AX10QSIS_ _ _	10" Inside Corner	12 x 3/4 x 10"
AX8QSOS_ _ _	8" Outside Corner	12 x 3/4 x 8"
AX8QSIS_ _ _	8" Inside Corner	12 x 3/4 x 8"
AX6QSOS_ _ _	6" Outside Corner	12 x 3/4 x 6"
AX6QSIS_ _ _	6" Inside Corner	12 x 3/4 x 6"
AX4QSOS_ _ _	4" Outside Corner	12 x 3/4 x 4"
AX4QSIS_ _ _	4" Inside Corner	12 x 3/4 x 4"
AX2QSOS _ _ _	2" Outside Corner	12 x 3/4 x 2"
AX2QSIS*_ _ _	2" Inside Corner	12 x 3/4 x 2"

Axiom factory-mitered inside and outside corner pieces are created to match your Axiom Trim channel order. These corners come as 2" – 12" long pieces that are assembled in the field for a clean mitered corner intersection.



Outside Corner



Inside Corner

MINIMUM BEND RADIUS FOR AXIOM-CLASSIC

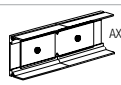
2", 4", 6", 8" – 24" Minimum
10" – 36" Minimum
16" – 60" Minimum

AXIOM FACTORY MITER LIMIT

2", 4", 6", 8" – Minimum 30º acute angle (15º per cut)
10", 12", 14", 16" – Minimum 60º acute angle (30º per cut)

* Not available in architectural film finishes
◆ Add the 2- or 3-digit color suffix to the item number when specifying or ordering (Example: AX2QSIS H A), add an extra digit "3" before the color suffix if paint is required inside and outside of trim (Example: AX2QSIS 3 H A).

ACCESSORIES

Item No.	Description	
AXAC	Alignment Clip Sheet aluminum formed to fit into special trim channel bosses. Provides positive mechanical lock and screw-fastened connection to suspension members that intersect below the trim channel.	
AX2HGC	Hanging Clip Sheet aluminum formed to fit into special trim channel bosses. Provides positive mechanical lock and screw-fastened connection to suspension members that intersect below the trim channel.	
AXTBC	T-Bar Connection Clip Galvanized sheet steel formed to fit into special trim channel bosses. Provides positive mechanical lock with factory-installed screw, screw-fastened connection to suspension members that intersect the trim channel.	
new **7239**	Adjustable Trim Clip Makes Axiom® Classic Trim compatible with Architectural Specialties products that drop greater than 3/8" below the grid flange, such as MetalWorks™ Linear, MetalWorks Torsion Spring, or WoodWorks® Channeled.	
AXSPLICE	Axiom Splice Plate	 AXSPLICE
AX4SPLICEB	Axiom Splice Plate Galvanized sheet steel formed to fit into the trim channel bosses. Provides positive lock between abutting channels with factory-installed setscrews.	 AX4SPLICEB

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AXIOM® Drywall Trim

One-piece or Two-piece
straight & curved

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

50% ALUMINUM RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
		✔	✔	✔					✔				

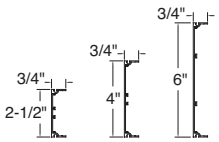
▲ LOCATION DEPENDENT



This pre-engineered vertical trim solution for 5/8" drywall eliminates vertical framing and provides architectural detail.

KEY SELECTION ATTRIBUTES

- 2.5", 4", and 6" profile heights
- Axiom® trim is part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today
- Integrated and pre-punched taping flange for drywall attachment
- Available in White, standard colors, and unfinished for field painting
- Straight and curved options available
- Pre-engineered compatibility with 5/8" drywall



MINIMUM BEND RADIUS FOR AXIOM ONE-PIECE TRIM

Inside: 2.5", 4", 6" – 24" Minimum
Outside: 36" Minimum

MINIMUM BEND RADIUS FOR AXIOM TWO-PIECE TRIM

36" Minimum

COLORS Due to printing limitations, shade may vary from actual product.

Standard

White (WH) · Cream (CR) · Haze (HA) · Camel (CM) · Platinum (PL) · Tech Black (BL) · Silver Satin (SA) · Silver Grey (SG) · Gun Metal Grey (MY) · Unfinished (UF)

VISUAL SELECTION

Item No. ◆	Description	Dimensions
AXIOM® One-Piece Drywall Trim		
AX1PC2STR_ _	2.5" One-Piece Straight Drywall Trim	120 x 3/4 x 2.5"
AX1PC2CUR_ _	2.5" One-Piece Curved Drywall Trim	Vary x 3/4 x 2.5"
AX1PC4STR_ _	4" One-Piece Straight Drywall Trim	120 x 3/4 x 4"
AX1PC4CUR_ _	4" One-Piece Curved Drywall Trim	Vary x 3/4 x 4"
AX1PC6STR_ _	6" One-Piece Straight Drywall Trim	120 x 3/4 x 6"
AX1PC6CUR_ _	6" One-Piece Curved Drywall Trim	Vary x 3/4 x 6"

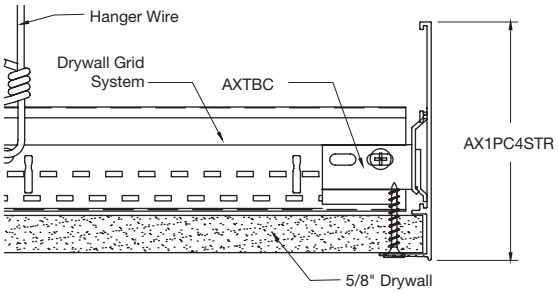
Item No. ◆	Description	Dimensions
AXIOM Two-Piece Drywall Trim (used with AXIOM® Classic, see pg. 389)		
AXBTSTR_ _	Axiom Straight Drywall Bottom Trim	120 x 3/4 x 5/8"
AXBTCUR_ _	Axiom Curved Drywall Bottom Trim	Vary x 3/4 x 5/8"

◆ Add the 2-digit color suffix to the item number when specifying or ordering (e.g., AX1PC2STR H A)

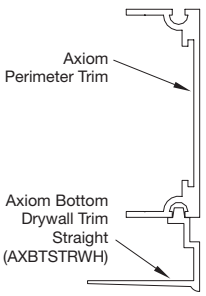
DETAILS For more information, see submittal CS-3528.

CAD drawings available at armstrongceilings.com/axiom

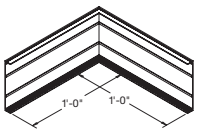
One-Piece Drywall Trim: Integrated and pre-punched taping flange for drywall attachment. Available in White, standard colors, and unfinished for field painting.



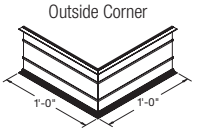
Two-Piece Drywall Trim: Integrated and pre-punched taping flange for drywall attachment. Available in White, standard colors, and unfinished for field painting.



Axiom® factory-mitered inside and outside corner pieces are created to match your Axiom Trim channel order. These corners come as 2" – 12" long pieces that are assembled in the field for a clean mitered corner intersection.



Outside Corner



Inside Corner

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Armstrong® CEILING & WALL SOLUTIONS

AXIOM® Glazing Channel

Trim for Glass Partitions
straight

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

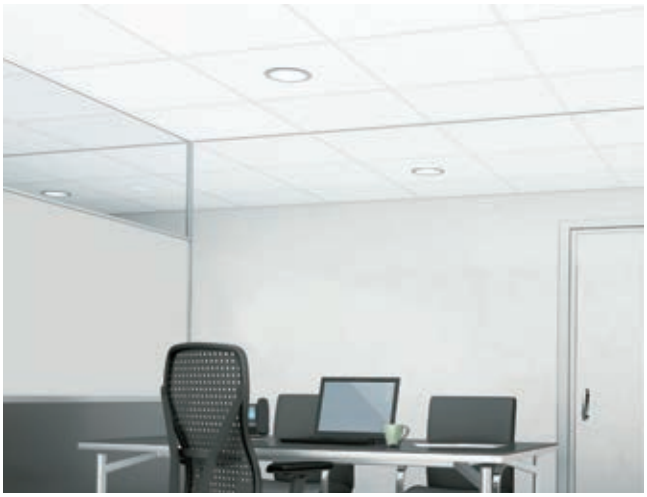
50% ALUMINUM RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®

energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
	✓	✓	✓					✓				

▲ LOCATION DEPENDENT



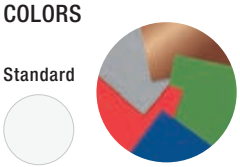
Axiom® extruded aluminum Glazing Channel trim for 3/8" and 1/2" glass partition walls offers fully concealed integration with all Armstrong® acoustical and drywall ceiling systems for a clean installed visual so glass can disappear into the plenum.*

KEY SELECTION ATTRIBUTES

- 5 trim profile options to coordinate with lay-in, Tegular and Vector® ceiling panels and drywall grid system
- Axiom® trim is part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today
- Coordinated fit and finish ensures delivery of design intent
- Seismic solution for category D, E, F installations
- Coordinates with Armstrong® ceiling and suspension systems, custom colors available
- 10-Year Limited Warranty, 30-Year System Warranty

COLORS

Standard

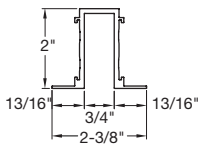
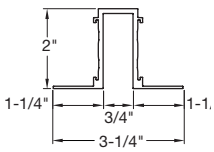
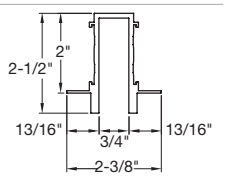
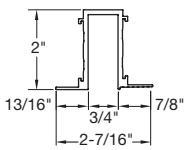
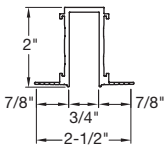


White (WH)

RAL® and Custom Colors Available

* Interior Glass Partition installation is also addressed on Pg. 374 (Integrated Ceiling Solutions – Common Conditions)

VISUAL SELECTION

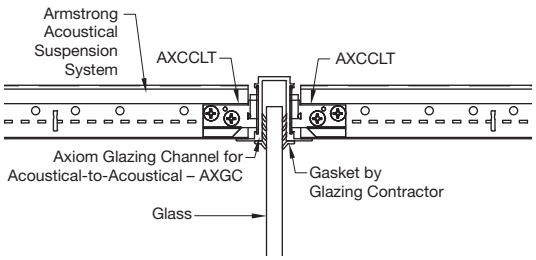
Item No.	Description	Dimensions	Profile
AXIOM® Glazing Channel Trim			
AXGC	Acoustical-to-Acoustical	120 x 2-7/16 x 2"	
AXGCS	Seismic Acoustical-to-Acoustical	120 x 3-1/4 x 2"	
AXGCV	Vector Acoustical-to-Acoustical	120 x 2-3/8 x 2-1/2"	
AXGCAD	Acoustical-to-Drywall	120 x 2-1/2 x 2"	
AXGCD	Drywall-to-Drywall	120 x 2-1/2 x 2"	

NOTE: Bottom and side U-Channels for glass installation provided by glazing contractor

ACCESSORIES

Item No.	Description	Dimensions
AX4SPLICE	Splice Plate with Setscrews	—
AXCCLT	T-Bar Connector Twist Clip	—

CAD drawings available at armstrongceilings.com/axiom



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AXIOM® for INTERLUDE®

Trim
straight

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

50% ALUMINUM RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
		✓	✓	✓					✓				

▲ LOCATION DEPENDENT



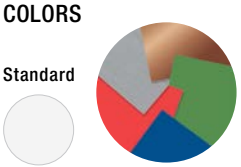
This pre-engineered trim allows the continuation of the Interlude® XL® HRC suspension system visual to the perimeter of the ceiling.

KEY SELECTION ATTRIBUTES

- Used exclusively with Interlude® XL® HRC suspension system (see pgs. 359-360)
- Axiom® trim is part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today
- Available in our most popular profile sizes (2", 4", and 6")
- New Interlude expansion sleeve (IES3) allows the unique Interlude visual to be extended to the perimeter
- Extruded aluminum trim provides more crisp edge detailing compared to conventional roll-formed steel systems
- Colors coordinate with Armstrong® ceiling and suspension systems; custom colors available
- Standard 90° factory-mitered outside and inside corners
- Recommended for use with full-size ceiling panels

COLORS

Standard



White (WH)

RAL® and Custom Colors Available

NOTE: 360° paint finishes and custom colors available as special order.

VISUAL SELECTION

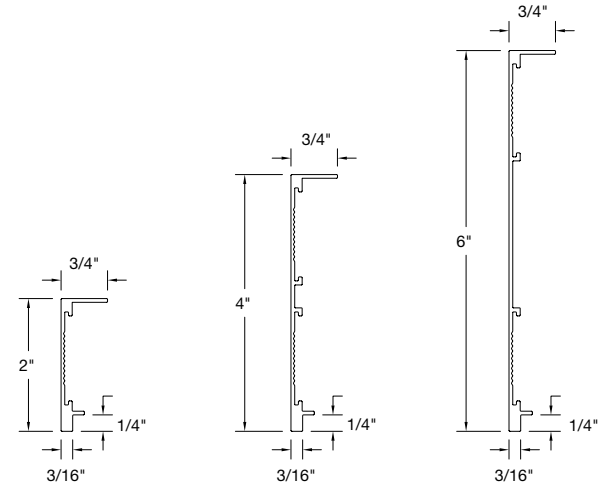
Item No. ◆	Description	Dimensions
AXIOM® for INTERLUDE® Trim		
AXLD2STR _ _ _	Axiom for Interlude 2", Straight	120 x 3/16 x 2"
AXLD4STR _ _ _	Axiom for Interlude 4", Straight	120 x 3/16 x 4"
AXLD6STR _ _ _	Axiom for Interlude 6", Straight	120 x 3/16 x 6"
AXIOM for INTERLUDE Pre-mitered Corners		
AXLD2QSOS _ _ _	Axiom for Interlude 2", Outside Corner	12 x 3/16 x 2"
AXLD2QSIS _ _ _	Axiom for Interlude 2", Inside Corner	12 x 3/16 x 2"
AXLD4QSOS _ _ _	Axiom for Interlude 4", Outside Corner	12 x 3/16 x 4"
AXLD4QSIS _ _ _	Axiom for Interlude 4", Inside Corner	12 x 3/16 x 4"
AXLD6QSOS _ _ _	Axiom for Interlude 6", Outside Corner	12 x 3/16 x 6"
AXLD6QSIS _ _ _	Axiom for Interlude 6", Inside Corner	12 x 3/16 x 6"
Accessories		
AX4SPLICEB	Splice Plate with Setscrews	3/4 x 3/16 x 6"
AXCCLT	T-Bar Connector Twist Clip	—
IES3	Interlude Expansion Sleeve	—

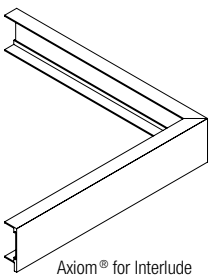
◆ Add the 2-digit color suffix to the item number when specifying or ordering (Example: AXLD6STR W H), add an extra digit "3" before the color suffix if paint is required inside and outside of trim (Example: AXLD6STR 3 W H).

NOTE: Clips and splice plates are unpainted. Touch-up paint available upon request for clips and splice plates used with standard colors.

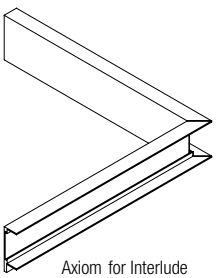
DETAILS

For more information, see submittal BPCS-4211.



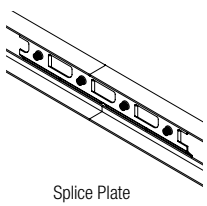


Axiom® for Interlude QuickShip™ Outside Corners

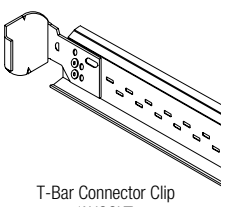


Axiom for Interlude QuickShip Inside Corners

ACCESSORIES



Splice Plate (AX4SPLICEB)



T-Bar Connector Clip (AXCCLT)

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armstrongceilings.com/axiom

BPCS-4211-517

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Armstrong® CEILING & WALL SOLUTIONS

AXIOM® Knife Edge®

Trim
straight

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

50% ALUMINUM RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
		✓	✓	✓					✓				

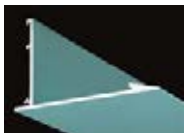
▲ LOCATION DEPENDENT



This trim is a unique, refined trim alternative compared to traditional, 90-degree vertical trims.

KEY SELECTION ATTRIBUTES

- new Adjustable Trim Clip (Item 7239) makes Knife Edge Trim compatible with WoodWorks® and MetalWorks™ panels from 0" to 3-3/4" thick
- Unique profile provides a refined alternative
- Axiom® trim is part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today
- Two profiles available:
  Axiom® Knife Edge® for traditional acoustical lay-in and Tegular panels, as well as drywall
  Axiom® Knife Edge® for Vector® is specifically made to work with the unique Vector edge
- Extruded aluminum trim provides more crisp edge detailing compared to conventional roll-formed steel systems
- Compatible with Armstrong® Suspension Systems and Drywall Grid Systems
- Colors coordinate with Armstrong ceiling and grid systems; custom colors available
- Standard 90º factory bonded corners



Colorations® colors

COLORS Due to printing limitations, shade may vary from actual product.

Standard

White (WH) · Cream (CR) · Haze (HA) · Camel (CM) · Platinum (PL) · Tech Black (BL) · Silver Satin (SA) · Silver Grey (SG) · Gun Metal Grey (MY) · RAL® & Custom Colors Available

NOTE: 360º paint finishes and custom colors available as special order

ARCHITECTURAL FILM FINISHES (white or black background)

Brushed Anodized (BA) · Buffed Bronze (BB) · Brushed Gun Metal (BG) · Etched Gun Metal (EG) · Mottled Silver Grey (MG)

NOTE: White is standard color for all AXIOM products.

BLIZZARD WHITE FINISH

Blizzard White (ZW)

NOTE: Blizzard White finish available on select Axiom® Classic, Knife Edge®, and Vector® trim profiles

COLORATIONS® COLORS (partial list)

White (WH) · Sky (SK) · Tangerine (TG) · Black (BK) · Made-to-order Sherwin-Williams® Colors Available

VISUAL SELECTION

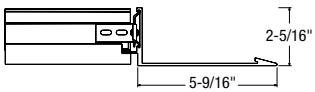
Item No. ◆	Description	Dimensions
AXIOM® Knife Edge®		
AXKE2STR_ _ _	Straight	120 x 6-3/16 x 2-1/2"
AXKE90IC*_ _ _	Inside 90˚ Corner	12 x 6-3/16 x 2-1/2"
AXKE900C*_ _ _	Outside 90˚ Corner	12 x 6-3/16 x 2-1/2"
AXKE5STR* **	Straight	120 x 6-3/16 x 5"
AXKE5IC* **	Inside 90˚ Corner	12 x 6-3/16 x 5"
AXKE5OC* **	Outside 90˚ Corner	12 x 6-3/16 x 5"
AXIOM Knife Edge for Vector®*		
AXKEVE2STR_ _ _	Vector – Straight	120 x 5-9/16 x 2-5/16"
AXKEVE90IC*_ _ _	Inside 90˚ Corner	12 x 5-9/16 x 2-5/16"
AXKEVE900C*_ _ _	Outside 90˚ Corner	12 x 5-9/16 x 2-5/16"
Accessories		
AX2HGC	Hanging Clip	–
AXTBC	T-Bar Connector Clip	–
AXVTBC	Vector T-Bar Connector Clip	–
new **7239****	Adjustable Trim Clip	–
AX4SPLICE	Splice Clip with Setscrews	–
AXKEALIGN	Alignment Clip	–
AXSPTHDC	Trim Hold-Down Clip	–
AXDWT	Drywall Trim	120 x 1-3/4"

◆ Add the 2-digit color suffix to the item number when specifying or ordering (Example: AX2STR H A), add an extra digit "3" before the color suffix if paint is required inside and outside of trim (Example: AXKE2STR 3 H A), use extra suffix W-white or B-black before color suffix when ordering film to designate the background color (Example: AXKE2STR B B B).

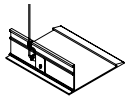
* Axiom Knife Edge must use factory corners. ** Recommended with 5" Knife Edge. Clip could be visible with 2" trim. *** Only available in White.

DETAILS For more information, see submittal BPCS-3080.

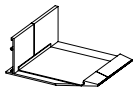
CAD drawings available on armstrongceilings.com/axiom



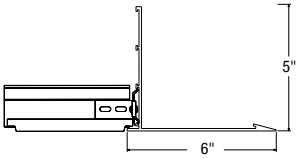
Axiom Knife Edge for Vector profile



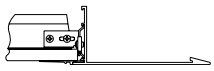
Axiom Knife Edge (AX2HGC)



Axiom Knife Edge Alignment Clip (AXKEALIGN)

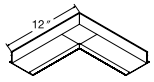


Axiom Knife Edge profile

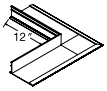


Axiom Knife Edge with Drywall (Use with AXVTBC and AXDWT)

Factory-Bonded corners



Axiom Knife Edge Factory-Bonded Inside Corner (AXKE90IC)

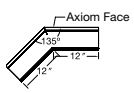


Axiom Knife Edge Factory-Bonded Outside Corner (AXKE900C)

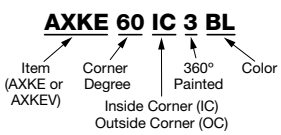
Factory corner configurations available 60-135º (upon request)



60º Corner



135º Corner



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BPCS-3528-1017

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Armstrong® CEILING & WALL SOLUTIONS

AXIOM® Paired

For AXIOM Classic or AXIOM Vector® Straight and Curved Suspension Systems

50% ALUMINUM RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
		✓	✓	✓					✓				

▲ LOCATION DEPENDENT



Axiom® – Paired trim in Sliver Grey

Create a dramatic contemporary design aesthetic using Axiom® Classic or Vector® trim profiles.

KEY SELECTION ATTRIBUTES

- Unique system allows tandem sections of curved or straight Axiom trim to run parallel with a 5/8" or 1-3/8" reveal between profiles
- Design option to accent open plenum spaces or below acoustical ceilings
- Extruded aluminum provides crisp profiles, smooth connections, and excellent corrosion resistance compared to steel systems
- Colors coordinate with Armstrong® ceiling and suspension systems; custom colors available
- Suspended from structure above or below acoustical ceiling
- Accessories available to organize placement of lights

Designed for 2", 4", 6", 8", 10", or 12" AXIOM Classic and 2", 4", 6", or 8" AXIOM Vector profiles

Choose your profile first
- Axiom Classic Pgs. 415-416
- Axiom Vector Pg. 426

COLORS Due to printing limitations, shade may vary from actual product.

Standard

White (WH) | Cream (CR) | Haze (HA) | Camel (CM) | Platinum (PL) | Tech Black (BL) | Silver Satin (SA) | Silver Grey (SG) | Gun Metal Grey (MY) | RAL® and Custom Colors Available

NOTE: 360º paint finishes and custom colors available as special order

ARCHITECTURAL FILM FINISHES (white or black background)

Brushed Anodized (BA) | Buffed Bronze (BB) | Brushed Gun Metal (BG) | Etched Gun Metal (EG) | Mottled Silver Grey (MG)

NOTE: White is standard color for all AXIOM products.

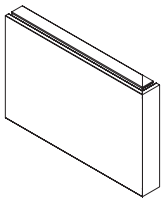
VISUAL SELECTION

Item No. ◆	Description
AXIOM Paired End Caps	
AX2WEC_ _	Welded End Cap for 2" Axiom – Classic
AX4WEC_ _	Welded End Cap for 4" Axiom – Classic
AX6WEC_ _	Welded End Cap for 6" Axiom – Classic
AX8WEC_ _	Welded End Cap for 8" Axiom – Classic
AX10WEC_ _	Welded End Cap for 10" Axiom – Classic
AX12WEC_ _	Welded End Cap for 12" Axiom – Classic
AXVE2WEC_ _	Welded End Cap for 2" Axiom – Vector
AXVE4WEC_ _	Welded End Cap for 4" Axiom – Vector
AXVE6WEC_ _	Welded End Cap for 6" Axiom – Vector
Accessories	
AX4SPLICEB	Splice Plate with Setscrews
AXPAP	Adapter Plate for Electrical Box
AXPHANG58	Hanging Bracket for 5/8" reveal
AXPHANG118	Hanging Bracket for 1-3/8" reveal

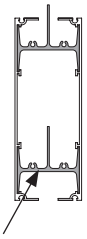
◆ Add the 2-letter color suffix to the item number when specifying or ordering (Example: AX2WEC B L)

DETAILS For more information, see submittal BPCS-3686.

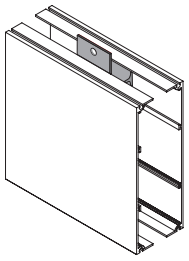
CAD drawings available on armstrongceilings.com/axiom



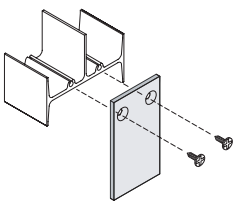
End Cap



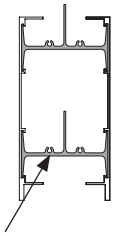
Hanging Bracket for 5/8" reveal (AXPHANG58)



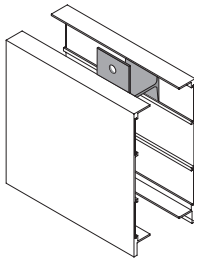
Axiom Paired Classic – available in 2", 4", 6", 8", 10", or 12" profiles



Adapter Plate to mount an electrical box (AXPAP)



Hanging Bracket for 1-3/8" reveal (AXPHANG118)



Axiom Paired Vector – available in 2", 4", or 6" profiles

NOTE: For all 4", 6", 8", 10", or 12" profiles, stack two Hanging Brackets on top of each other and place every 4' on center. Paired sections less than 4' long require two sets of Hanging Brackets per section.

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AXIOM® Profiled

Trim
straight

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50% ALUMINUM RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt ✓; regional materials ✓; design for flexibility ✓; EPD; recyclable/ extended producer resp.; biobased materials; recycled content; sourcing of raw materials ✓; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

▲ LOCATION DEPENDENT



Axiom® Profiled Convex trim

This pre-engineered trim offers four dramatic profiles that coordinate with acoustical or drywall ceilings for decorative finished visual.

KEY SELECTION ATTRIBUTES

- Extruded aluminum provides crisp edge detailing and excellent corrosion resistance
- Axiom® trim is part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today
- Finely articulated drywall trim with beaded edge integrates with all trim profiles to provide a pre-engineered solution for drywall transitions
- Ultimate design flexibility – four decorative profiles; Convex, Concave, Cove, and Crown
- Colors coordinate with Armstrong® ceiling and suspension systems; custom colors available

COLORS Due to printing limitations, shade may vary from actual product.

Standard

White (WH) · Cream (CR) · Haze (HA) · Camel (CM) · Platinum (PL)

Tech Black (BL) · Silver Satin (SA) · Silver Grey (SG) · Gun Metal Grey (MY)

COLORATIONS® COLORS

White (WH) · Shell (SH) · Pale Lemon (LM) · Pecan (PC) · Sky (SK) · Moss (MS) · Stone (SE) · Reef (RE)

Lagoon (LA) · Plum (PM) · Cranberry (CN) · Kiwi (KW) · Tangerine (TG) · Black (BK)

Made-to-order Sherwin-Williams® Colors Available

VISUAL SELECTION

Item No. ◆	Description	Dimensions
AXIOM Profiled Trim		
AXCOVE_ _	Cove	120 x 3-1/2 x 3-1/2"
AXCRWN_ _	Crown	12 x 3 x 3-1/2"
AXCNVX_ _	Convex	12 x 5-1/4 x 2-1/2"
AXCNCV_ _	Concave	120 x 5-1/4 x 2-1/2"
AXIOM Profiled Corners		
AXCOVEIS*_ _	Cove Inside 90° Corner	12 x 3-1/2 x 3-1/2"
AXCOVEOS*_ _	Cove Outside 90° Corner	12 x 3-1/2 x 3-1/2"
AXCRWNIS*_ _	Crown Inside 90° Corner	12 x 3 x 3-1/2"
AXCRWNOS*_ _	Crown Outside 90° Corner	120 x 5-1/4 x 2-1/2"
AXCNVXIS*_ _	Convex Inside 90° Corner	12 x 5-1/4 x 2-1/2"
AXCNVXOS*_ _	Convex Outside 90° Corner	12 x 5-1/4 x 2-1/2"
AXCNCVIS*_ _	Concave Inside 90° Corner	12 x 5-1/4 x 2-1/2"
AXCNCVOS*_ _	Concave Outside 90° Corner	12 x 5-1/4 x 2-1/2"
Accessories		
AXDWT	Profiled AXIOM Drywall Taping Flange	120 x 1-3/4"
AXAC	Alignment Hanging Clip	–
AXTBC	T-Bar Connector Clip	–
AX4SPLICEB	Splice Plate with Setscrews	–
AXALIGN	Profiled Alignment Clip	–
AXSPTHDC	Trim Hold Down Clip	–

◆ Add the 2-letter color suffix to the item number when specifying or ordering (Example: AXCOVE H A)

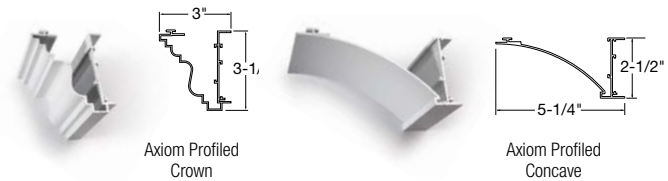
* Axiom Profiled trim must use factory corners.

DETAILS For more information, see submittal BPCS-3101.

CAD drawings available on armstrongceilings.com/axiom

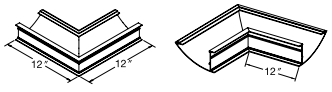


Axiom Profiled Cove · Axiom Profiled Convex



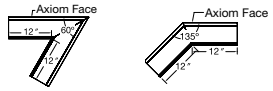
Axiom Profiled Crown · Axiom Profiled Concave

Factory-bonded corners



Convex Inside Corner · Convex Outside Corner

Factory corner configurations available 60-135°



60° Corner · 135° Corner

AXCOVE 60 IC 3 BL

Cove · Corner Degree · 360° Painted · Color

Inside Corner (IC)
Outside Corner (OC)

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Armstrong® CEILING & WALL SOLUTIONS

AXIOM® Soft Edge

Trim
straight & curved

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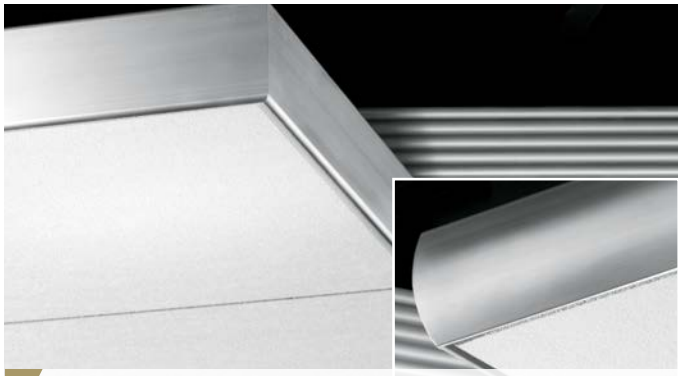
SUSTAIN™ High Performance Sustainable Ceiling Systems

50% ALUMINUM RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
		✓	✓	✓					✓				

▲ LOCATION DEPENDENT



Soft Corner (L) and Ripple (R) trim with Optima® Vector® panels Inset: Convex

This soft-edge factory-finished trim is available in three profile types for acoustical clouds.

KEY SELECTION ATTRIBUTES

- Profile options:
  - Ripple
  - Soft Corner
  - Convex
- Axiom® trim is part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today
- Incorporates the sophisticated grid-hiding visual of a Vector® ceiling with a similar 1/4" reveal along the trim
- Design flexibility for straight and curved applications

MINIMUM BEND RADIUS FOR AXIOM® Soft Edge

	Outside Curve (face out)	Inside Curve (face in)
Soft Corner	10'	4'
Ripple	5'	4'
Convex	cannot curve	cannot curve

COLORS Due to printing limitations, shade may vary from actual product.

Standard

White (WH), Cream (CR), Haze (HA), Camel (CM), Platinum (PL)

Tech Black (BL), Silver Satin (SA), Silver Grey (SG), Gun Metal Grey (MY)

NOTE: 360º paint finishes and custom colors available as special order

RAL® & Custom Colors Available

COLORATIONS® COLORS

White (WH), Shell (SH), Pale Lemon (LM), Pecan (PC), Sky (SK), Moss (MS), Stone (SE), Reef (RE)

Lagoon (LA), Plum (PM), Cranberry (CN), Kiwi (KW), Tangerine (TG), Black (BK)

Refer to BPCS-3996 Axiom Color Chart for new Colorations® colors, available on coordinating Calla® ceiling panels, Suprafine® 9/16" suspension system, and Axiom Soft Edge trim.

Made-to-order Sherwin-Williams® Colors Available

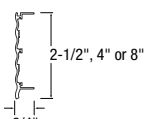
VISUAL SELECTION

Item No. ◆	Description	Dimensions
AXIOM Soft Edge Ripple		
AXSER2STR_ _ _	2-1/2" Straight	120 x 3/4 x 2-1/2"
AXSER2CUR_ _ _	2-1/2" Curved	Vary x 3/4 x 2-1/2"
AXSER4STR_ _ _	4" Straight	120 x 3/4 x 4"
AXSER4CUR_ _ _	4" Curved	Vary x 3/4 x 4"
AXSER8STR_ _ _	8" Straight	120 x 3/4 x 8"
AXSER8CUR_ _ _	8" Curved	Vary x 3/4 x 8"
AXIOM Soft Edge Ripple Corners		
AXSER2INCNR_ _ _	2-1/2" Straight	12 x 3/4 x 2-1/2"
AXSER2OCCNR_ _ _	2-1/2" Curved	12 x 3/4 x 2-1/2"
AXSER4INCNR_ _ _	4" Straight	12 x 3/4 x 4"
AXSER4OCCNR_ _ _	4" Curved	12 x 3/4 x 4"
AXSER8INCNR_ _ _	8" Straight	12 x 3/4 x 8"
AXSER8OCCNR_ _ _	8" Curved	12 x 3/4 x 8"
AXIOM Soft Edge Soft Corners		
AXSES2STR_ _ _	2-1/2" Straight	120 x 3/4 x 2-1/2"
AXSES2CUR_ _ _	2-1/2" Curved	Vary x 3/4 x 2-1/2"
AXSES4STR_ _ _	4" Straight	120 x 3/4 x 4"
AXSES4CUR_ _ _	4" Curved	Vary x 3/4 x 4"

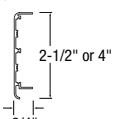
Item No. ◆	Description	Dimensions
AXIOM Soft Edge Soft Corner Corners		
AXSES2INCNR_ _ _	2-1/2" Inside Corner	12 x 3/4 x 2-1/2"
AXSES2OSCNR_ _ _	2-1/2" Outside Corner	12 x 3/4 x 2-1/2"
AXSEC4INCNR_ _ _	4" Inside Corner	12 x 3/4 x 4"
AXSEC4OSCNR_ _ _	4" Outside Corner	12 x 3/4 x 4"
AXIOM Soft Edge Convex		
AXSEC2STR_ _ _	2-1/2" Straight	120 x 3/4 x 2-1/2"
AXSEC4STR_ _ _	4" Straight	120 x 3/4 x 4"
AXIOM Soft Edge Convex Corners		
AXSEC2INCNR_ _ _	2-1/2" Inside Corner	12 x 3/4 x 2-1/2"
AXSEC2OSCNR_ _ _	2-1/2" Outside Corner	12 x 3/4 x 2-1/2"
AXSEC4INCNR_ _ _	4" Inside Corner	12 x 3/4 x 4"
AXSEC4OSCNR_ _ _	4" Outside Corner	12 x 3/4 x 4"
Accessories		
AXTBC	T-Bar Connector Clip	–
AX4SPLICEB	Splice Plate with Setscrews	–

◆ Add the 3-letter type and color suffix to the item number when specifying or ordering (e.g., AXSER2STR H A), add an extra digit "3" before the color suffix if paint is required inside and outside of trim (Example: AXSER2STR 3 H A)

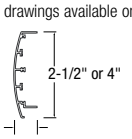
DETAILS For more information, see submittal BPCS-3879. CAD drawings available on armstrongceilings.com/axiom



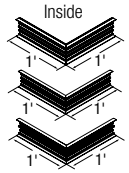
Axiom Soft Edge Ripple



Axiom Soft Edge Soft Corner



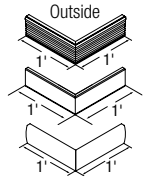
Axiom Soft Edge Convex



Axiom Soft Edge Ripple

Axiom Soft Edge Soft Corner

Axiom Soft Edge Convex



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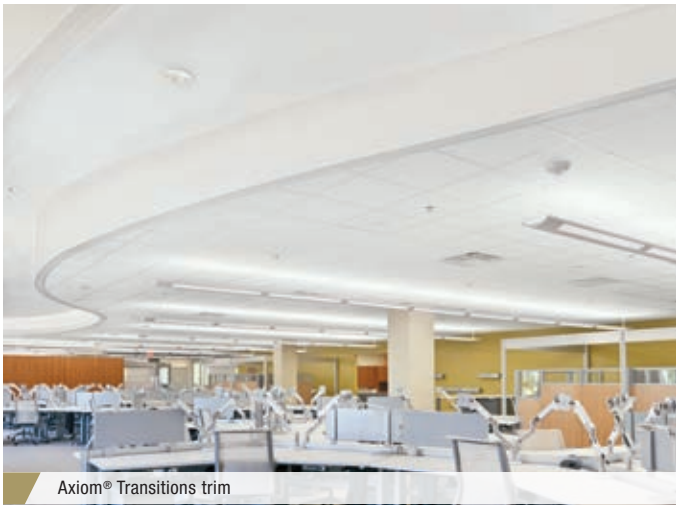
Armstrong® CEILING & WALL SOLUTIONS

AXIOM® Transitions

Trim
straight & curved



Axiom® Transitions trim

Fast and easy way to create crisp transitions between ceiling planes regardless of material type.*

KEY SELECTION ATTRIBUTES

- Axiom® Transitions are made of an aluminum extrusion to create a smooth transition between drywall and suspended ceilings (mineral fiber, metal, or wood)
- Axiom trim is part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today
- Extruded aluminum trim provides more crisp edge detailing compared to convention roll-formed steel systems
- Compatible with Armstrong® suspension systems and Drywall Grid Systems
- **Acoustical-to-Drywall Transitions** are available straight and curved for perfect fit and finish every time
- **Axiom® Transitions – Vector®** is available straight only for use with full size Vector panels (field cutting Vector panels can be avoided)
- **Axiom® Transitions – Elevation Change** accommodates Acoustical-to-Acoustical, Acoustical to-Drywall, Drywall-to-Acoustical, Drywall-to-Drywall height transitions of 2", 4", 6", 8", and 10"
- Minimum Bend Radius for Transitions – Elevation Change 2", 4", 6", and 8" is 48", 10" is 60"
- Minimum Bend Radius for Transitions – No Elevation Change (see BPCS-3530 for details on our web site)

* Ceiling Transition Solutions are also addressed on Pgs. 367-369 (Integrated Ceiling Solutions – Common Conditions)

COLORS Due to printing limitations, shade may vary from actual product.

Standard

White (WH) · Cream (CR) · Haze (HA) · Camel (CM) · Platinum (PL) · Tech Black (BL) · Silver Satin (SA) · Silver Grey (SG) · Gun Metal Grey (MY) · RAL® & Custom Colors Available

NOTE: Colors available on Transitions (elevation change) 360º paint finishes and custom colors available as special order

VISUAL SELECTION

Item No.	Description	Dimensions
AXIOM Transitions (no elevation change)		
AXTRVESTR	Straight Transition for Vector	120 x 2-9/16 x 1-11/16"
new **AXTR7901STR**	9/16" Shadow Reveal Transition Molding, Straight	120 x 2-9/16 x 1-13/16"
new **AXTR7901CUR**	9/16" Shadow Reveal Transition Molding, Curved	Vary x 2-9/16 x 1-13/16"
new **AXTR7902STR**	15/16" Shadow Reveal Transition Molding, Straight	120 x 2-9/16 x 2-3/16"
new **AXTR7902CUR**	15/16" Shadow Reveal Transition Molding, Curved	Vary x 2-9/16 x 2-3/16"
new **AXTR7904STR**	15/16" Flush Transition Molding, Straight	120 x 2-9/16 x 1-3/4"
new **AXTR7904CUR**	15/16" Flush Transition Molding, Curved	Vary x 2-9/16 x 1-3/4"
new **AXTR7905STR**	9/16" Flush Transition Molding, Straight	120 x 2-9/16 x 1-3/8"
new **AXTR7905CUR**	9/16" Flush Transition Molding, Curved	Vary x 2-9/16 x 1-3/8"
new **AXTR7906STR**	"F" Type Molding, Straight	120 x 1-13/16 x 1-11/16"
new **AXTR7906CUR**	"F" Type Molding, Curved	Vary x 1-13/16 x 1-11/16"
AXIOM Transitions (elevation change)		
AXTR7907STR	9/16" Tegular Transition Molding, Straight	120 x 2-9/16 x 1-11/16"
AXTR7907CUR	9/16" Tegular Transition Molding, Curved	Vary x 2-9/16 x 1-11/16"
AXTR7908STR	15/16" Tegular Transition Molding, Straight	120 x 2-9/16 x 1-13/16"
AXTR7908CUR	15/16" Tegular Transition Molding, Curved	Vary x 2-9/16 x 1-13/16"
AXTR7909STR	15/16" Tegular Transition Molding – 1" Height, Straight	120 x 2-13/16 x 1-11/16"
AXTR7909CUR	15/16" Tegular Transition Molding – 1" Height, Curved	Vary x 2-13/16 x 1-11/16"
AXTR7910STR	9/16" Tegular Transition Molding – 1" Height, Straight	120 x 2-13/16 x 1-3/8"
AXTR7910CUR	9/16" Tegular Transition Molding – 1" Height, Curved	Vary x 2-13/16 x 1-3/8"
AX15DSCSTR	1-1/2" Acoustical Double-sided Connection, Straight	120 x 1-15/16 x 1-1/2"
AX15DSCCUR	1-1/2" Acoustical Double-sided Connection, Curved	Vary x 1-15/16 x 1-1/2"

MINIMUM BEND RADIUS:
Profile: AXTR7901 • Inside Curve – 48", Outside Curve – 120"
Profiles: AXTR7902, AXTR7904, AXTR7905 • Inside Curve – 96", Outside Curve – 600"
Profiles: AXTR7906, AXTR7907, AXTR7908, AXTR7909, AXTR7910 • Inside and Outside Curve – 48"
Profile: AX15DSC • Inside and Outside Curve – 60"

AXIOM® Transitions

Trim
straight & curved

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

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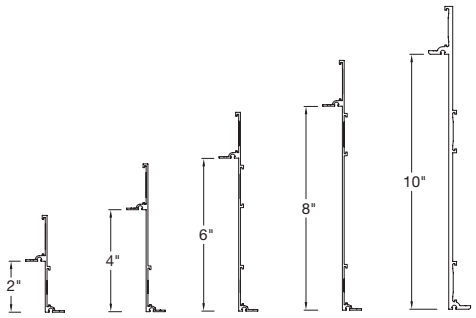
▲ LOCATION DEPENDENT

VISUAL SELECTION continued

AXIOM Transitions (elevation change)

Item No. ◆	Description	Dimensions (Inches)
AXTR2STR_ _	2" Straight Transition	120 x 2 x 1-1/2"
AXTR2CUR_ _**	2" Curved Transition	Vary x 2 x 1-1/2"
AXTR4STR_ _	4" Straight Transition	120 x 4 x 1-1/2"
AXTR4CUR_ _**	4" Curved Transition	Vary x 4 x 1-1/2"
AXTR6STR_ _	6" Straight Transition	120 x 6 x 1-1/2"
AXTR6CUR_ _**	6" Curved Transition	Vary x 6 x 1-1/2"
AXTR8STR_ _	8" Straight Transition	120 x 8 x 1-1/2"
AXTR8CUR_ _**	8" Curved Transition	Vary x 8 x 1-1/2"
AXTR10STR_ _	10" Straight Transition	120 x 10 x 1-1/2"
AXTR10CUR_ _***	10" Curved Transition	Vary x 10 x 1-1/2"



◆ Add the 2-letter color suffix to the item number when specifying or ordering (e.g. AXTR2STR H A)
** Minimum bending radius is 48" *** Minimum bending radius is 60"

AXIOM Transitions Corners

AXTR2QSOS_ _	2" Transition Outside Corner	12 x 2 x 1-1/2"
AXTR4QSIS_ _	4" Transition Inside Corner	12 x 4 x 1-1/2"
AXTR4QSOS_ _	4" Transition Outside Corner	12 x 4 x 1-1/2"
AXTR6QSIS_ _	6" Transition Inside Corner	12 x 6 x 1-1/2"
AXTR6QSOS_ _	6" Transition Outside Corner	12 x 6 x 1-1/2"
AXTR8QSIS_ _	8" Transition Inside Corner	12 x 8 x 1-1/2"
AXTR8QSOS_ _	8" Transition Outside Corner	12 x 8 x 1-1/2"
new **AXTR10QSIS_ _**	10" Transition Inside Corner	12 x 10 x 1-1/2"
new **AXTR10QSOS_ _**	10" Transition Outside Corner	12 x 10 x 1-1/2"



Inside 90°
AXTR10QSIS Corner

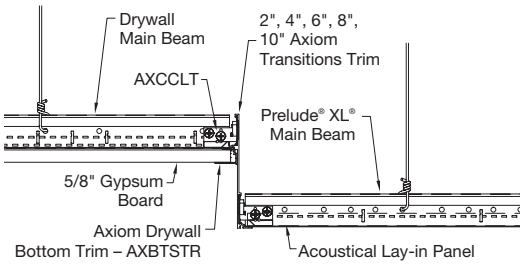


Outside 90°
AXTR6QSOS Corner

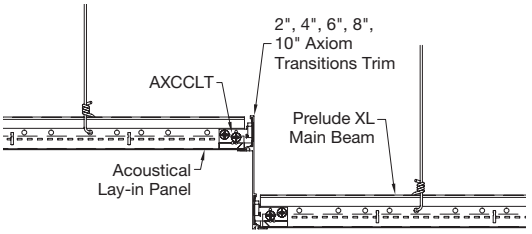
Axiom® pre-mitered corners are field-assembled

DETAILS CAD drawings available on armstrongceilings.com/axiom

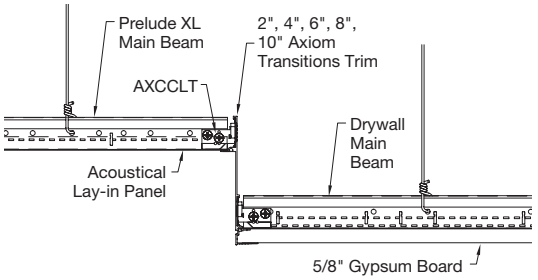
Drywall-to-Acoustical



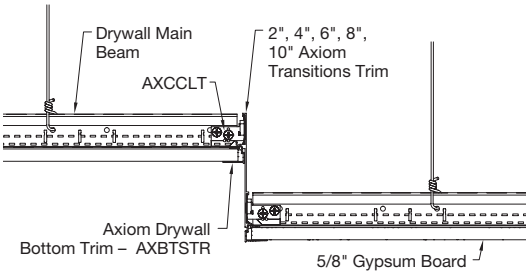
Acoustical-to-Acoustical



Acoustical-to-Drywall



Drywall-to-Drywall



ACCESSORIES

Item Number	Description	Dimensions
AX4SPLICEB	Splice Plate with Setscrews	—
AXTBC	T-Bar Connector Clip	—
AXCCLT	T-Bar Connector Twist Clip	—
AXBTSTR	Axiom Straight Drywall Bottom Trim	—
7239	Adjustable Trim Clip***	—

*** Not to be used with wood or metal panels that drop below grid by greater than 3/8" – Only compatible with Transitions with no elevation change.

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Trim
straight & curved

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LEED®: energy management; construction waste mgmt ✓; regional materials ✓; design for flexibility ✓; EPD; recyclable/ extended producer resp.; biobased materials; recycled content; sourcing of raw materials ✓; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

▲ LOCATION DEPENDENT



Axiom® Vector® trim

This trim coordinates perfectly with Armstrong® Vector® ceiling panels to mimic the 1/4" reveal with a narrow vertical fin profile.

KEY SELECTION ATTRIBUTES

- Incorporates the sophisticated grid-hiding visual of a Vector ceiling with a perimeter
- Axiom® trim is part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today
- Recommended for use with full-size Vector ceiling panels; preserves factory-cut Vector edge detail
- Standard 90º factory-mitered inside corner and outside corner posts available
- Colors coordinate with Armstrong® ceiling and grid systems; custom colors available
- Extruded aluminum trim provides more crisp edge detailing compared to conventional roll-formed steel systems
- Compatible with Armstrong® exposed suspension systems and Drywall Grid Systems
- Custom slotting, perforating, and cutouts available

COLORS Due to printing limitations, shade may vary from actual product.

Standard

White (WH) · Cream (CR) · Haze (HA) · Camel (CM) · Platinum (PL) · Tech Black (BL) · Silver Satin (SA) · Silver Grey (SG) · Gun Metal Grey (MY) · RAL® & Custom Colors Available

NOTE: 360º paint finishes and custom colors available as special order

ARCHITECTURAL FILM FINISHES (white or black background)

Brushed Anodized (BA) · Buffed Bronze (BB) · Brushed Gun Metal (BG) · Etched Gun Metal (EG) · Mottled Silver Grey (MG)

NOTE: White is standard color for all AXIOM products.

BLIZZARD WHITE FINISH

Blizzard White (ZW)

NOTE: Blizzard White finish available on select Axiom® Classic, Knife Edge®, and Vector® trim profiles

COLORATIONS® COLORS (partial list)

White (WH) · Sky (SK) · Tangerine (TG) · Black (BK) · Made-to-order Sherwin-Williams® Colors Available

Refer to BPCS-3996 Axiom Color Chart for new Colorations® colors, available on coordinating Calla® ceiling panels, Suprafine® 9/16" suspension system, and Axiom® Vector® trim.

VISUAL SELECTION

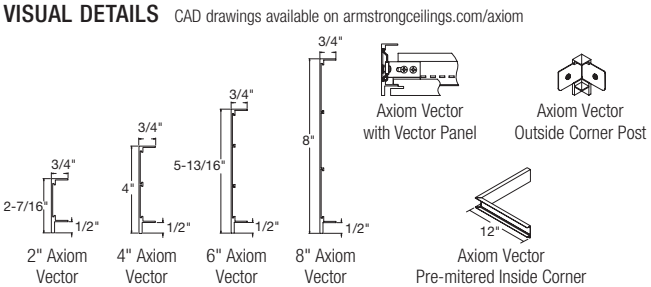
Item No. ◆	Description	Dimensions
AXIOM Vector		
AX2VESTR_ _ _	2" Straight	120 x 3/4 x 2"
AX2VECUR_ _ _	2" Curved	Vary x 3/4 x 2"
AX4VESTR_ _ _	4" Straight	120 x 3/4 x 4"
AX4VECUR_ _ _	4" Curved	Vary x 3/4 x 4"
AX6VESTR_ _ _	6" Straight	120 x 3/4 x 6"
AX6VECUR_ _ _	6" Curved	Vary x 3/4 x 6"
AX8VESTR_ _ _	8" Straight	120 x 3/4 x 8"
AX8VECUR_ _ _	8" Curved	Vary x 3/4 x 8"
AXIOM Vector Pre-mitered Corners		
AX2VEQSIS_ _ _	2" Inside Corner	12 x 3/4 x 2"
AX2VEQSOS_ _ _	2" Outside Corner	12 x 3/4 x 2"
AX4VEQSIS_ _ _	4" Inside Corner	12 x 3/4 x 4"
AX4VEQSOS_ _ _	4" Outside Corner	12 x 3/4 x 4"
AX6VEQSIS_ _ _	6" Inside Corner	12 x 3/4 x 6"
AX6VEQSOS_ _ _	6" Outside Corner	12 x 3/4 x 6"
AX8VEQSIS_ _ _	8" Inside Corner	12 x 3/4 x 8"
AX8VEQSOS_ _ _	8" Outside Corner	12 x 3/4 x 8"

◆ Add the 3-letter type and color suffix to the item number when specifying or ordering (Example: AX8VESTR H A), add an extra digit "3" before the color suffix if paint is required inside and outside of trim (Example: AX8VESTR 3 H A)

* Not available in architectural film finishes

Item No. ◆	Description	Dimensions
AXIOM Vector Corner Posts*		
AX2VEISCP_ _ _	2" Inside Corner Post	3/4 x 3/4 x 2"
AX2VEOSCP_ _ _	2" Outside Corner Post	3/4 x 3/4 x 2"
AX4VEISCP_ _ _	4" Inside Corner Post	3/4 x 3/4 x 4"
AX4VEOSCP_ _ _	4" Outside Corner Post	3/4 x 3/4 x 4"
AX6VEISCP_ _ _	6" Inside Corner Post	3/4 x 3/4 x 6"
AX6VEOSCP_ _ _	6" Outside Corner Post	3/4 x 3/4 x 6"
AX8VEISCP_ _ _	8" Inside Corner Post	3/4 x 3/4 x 8"
AX8VEOSCP_ _ _	8" Outside Corner Post	3/4 x 3/4 x 8"
Accessories		
AX4SPLICEB	Splice Plate with Setscrews	—
AXTBC2	T-Bar Connector Clip	—

VISUAL DETAILS CAD drawings available on armstrongceilings.com/axiom



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AXIOM® Wall Moldings & Column Rings

Trim

straight & curved

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

50% ALUMINUM RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt ✔; regional materials ✔; design for flexibility ✔; EPD; recyclable/ extended producer resp.; biobased materials; recycled content; sourcing of raw materials ✔; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

▲ LOCATION DEPENDENT



This extruded aluminum trim provides crisp-edge detailing compared to conventional roll-formed steel systems.

KEY SELECTION ATTRIBUTES

- 5 molding profiles available straight or curved, to be used as wall moldings or column rings
- Axiom® trim is part of the Sustain™ portfolio and meets the most stringent sustainability compliance standards today
- Compatible with Armstrong® acoustical and drywall suspension systems

MINIMUM BEND RADIUS

	Wall Moldings (Radius)		Column Rings (Diameter)
	Outside Curve	Inside Curve	Inside Curve
AXMCUR	24"	24"	48"
AXM34CUR	6"	6"	12"
AXM5050CUR	8"	18"	36"
AXM5075CUR	8"	14"	28"
AXM7575CUR	9"	18"	36"

COLORS Due to printing limitations, shade may vary from actual product.

Standard

White (WH); Cream (CR); Haze (HA); Camel (CM); Platinum (PL)

RAL® and Custom Colors Available

Tech Black (BL); Silver Satin (SA); Silver Grey (SG); Gun Metal Grey (MY)

NOTE: 360º Painted finishes and custom colors available as special order

COLORATIONS™ COLORS (partial list)

White (WH); Shell (SH); Pale Lemon (LM); Moss (MS); Stone (SE); Reef (RE)

Made-to-order Sherwin-Williams® Colors Available

Lagoon (LA); Plum (PM); Cranberry (CN); Kiwi (KW); Tangerine (TG); Black (BK)

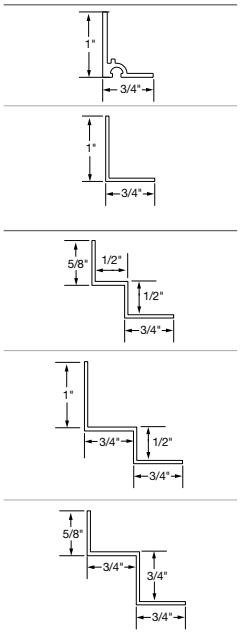
Refer to BPCS-3996 Axiom Color Chart for new Colorations® colors, available on coordinating Calla® ceiling panels, Suprafine® 9/16" suspension system, and Axiom® Wall Moldings and Column Rings.

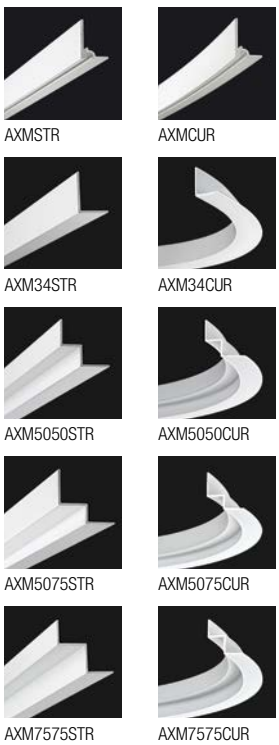
VISUAL SELECTION

Item No. ◆	Description	Dimensions Length x A x B
Angle Molding		
AXMSTR _ _ _	Straight Wall Molding - with Axiom Reveal	120" x 1" x 3/4"
AXMCUR _ _ _	Curved Wall Molding/Column Ring with Axiom Reveal	120" x 1" x 3/4"
AXM34STR _ _ _	Straight Wall Molding - Shadow	120" x 1" x 3/4"
AXM34CUR _ _ _	Curved Wall Molding/Column Ring Shadow	120" x 1" x 3/4"
Shadow Molding		
AXM5050STR _ _ _	Straight Wall Molding - Shadow	120" x 3/4" x 5/8" x 1/2" x 1/2"
AXM5050CUR _ _ _	Curved Wall Molding/Column Ring Shadow	120" x 3/4" x 5/8" x 1/2" x 1/2"
AXM5075STR _ _ _	Straight Wall Molding - Shadow	120" x 1" x 3/4" x 1/2" x 3/4"
AXM5075CUR _ _ _	Curved Wall Molding/Column Ring Shadow	120" x 1" x 3/4" x 1/2" x 3/4"
AXM7575STR _ _ _	Straight Wall Molding - Shadow	120" x 3/4" x 5/8" x 3/4" x 3/4"
AXM7575CUR _ _ _	Curved Wall Molding/Column Ring Shadow	120" x 3/4" x 5/8" x 3/4" x 3/4"

◆ Add the 3-letter color suffix to the item number when specifying or ordering (Example: AXMSTR W H), add an extra digit "3" before the color suffix if paint is required inside and outside of trim (Example: AXMSTR 3 H A)

DETAILS For more information, see submittal BPCS-4473.





TRIM & TRANSITIONS

TechLine / 1 877 276-7876
armstrongceilings.com/axiom
BPCS-4473-517

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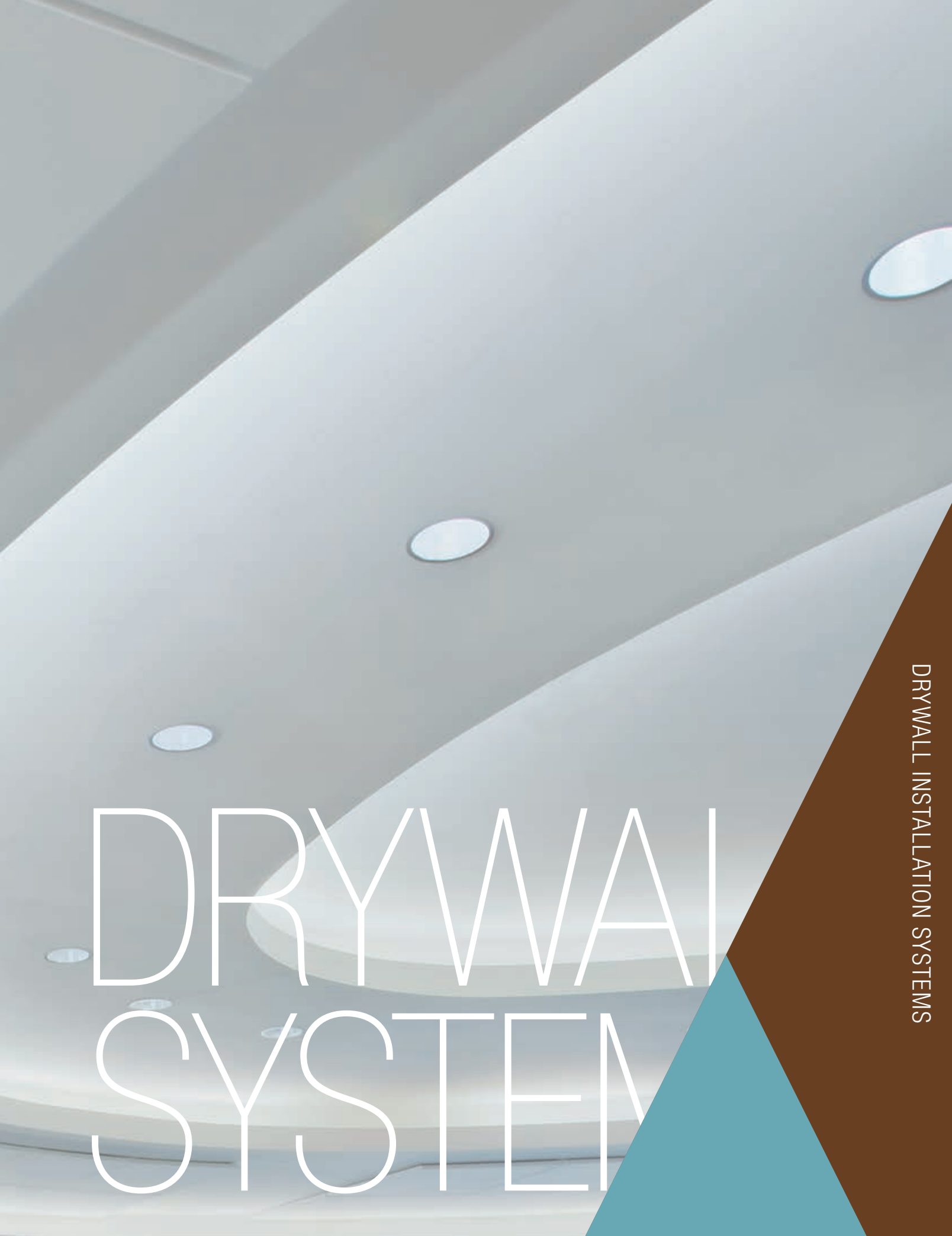
Armstrong® CEILING & WALL SOLUTIONS



DRYWALL SYSTEMS

DRYWALL INSTALLATION SYSTEMS

DRYWALL INSTALLATION SYSTEMS
At-a-Glance

you inspire™
solutions center
helping to bring your one-of-a-kind ideas to life

DRYWALL SUSPENSION AND FRAMING SYSTEMS



DRYWALL Grid Systems - Flat Ceilings Pg. 430



DRYWALL Grid Systems – Curved Ceilings Pg. 431



QUIKSTIX™ Drywall Grid System with Locking Pocket Main Beams Pg. 433



QUIKSTIX™ Drywall Grid System for Soffits Pg. 434



SHORTSPAN® Drywall Framing System Pgs. 435-436

ICON KEY

Icons are used throughout the catalog to help you quickly identify key product attributes.

Humidity/Corrosion Resistance
Humiguard® Plus recommended for areas subject to high humidity up to, but not including, standing water.

Fire Resistance
Available in fire-resistive options (Fire Guard™); tested in specific UL floor/ceiling or roof/ceiling construction design assemblies.

Chemical Corrosion
G90 hot-dipped galvanized coating available for exterior applications.

Seismic
Category D, E & F

Sustainability
Product is part of Sustain™ Portfolio and meets the most stringent sustainability compliance standards today.

DRYWALL Grid Systems

Flat and Curved Ceiling Installation Systems



Drywall Grid System for flat ceilings with Axiom® Classic Curved trim

Pre-engineered drywall ceiling suspension system that is three times faster to install than traditional track and channel framing.*

KEY SELECTION ATTRIBUTES

- Some components available in High Recycled Content (HRC): Total Recycled Content 61%, Post-consumer 53%, Pre-consumer 8%
- Non-HRC items have 30% recycled content
- **PeakForm®** profile increases strength and stability for improved performance during installation
- **SuperLock™** main beam clip is engineered for a strong, secure connection and fast, accurate alignment confirmed with an audible click; easy to remove and relocate HD8906IIC main beam accepts integral Impact Isolation Clips (IIC) to provide up to eight points of IIC improvement.
- **ScrewStop™** reverse hem prevents screw spinoff on 1-1/2" wide face
- Rotary-stitched during manufacture by a patented method for additional torsional strength and extra stability during installation
- HD8906 (HRC) main beams and cross tees with extra routings for Type F light fixtures
- Minimum G40 hot dipped galvanized coating, per ASTM C645; provides superior corrosion resistance
- Wind uplift construction available
- **XL®** (staked-on end detail) cross tees provide secure locked connection; fast and easy to install
- All drywall components minimum .018" steel thickness; complies with ASTM C645
- Accommodates stud, track, hat channel, wood, or other supplemental framing
- Fire Guard™ components meet broad range of UL design assemblies (XL7936G90 is not fire rated)
- 10-Year Limited System Warranty
- 30-Year Limited Ceiling Systems Warranty
- G90 hot dipped galvanized coating is available for exterior applications (HD8906G90, XL8945PG90, XL8947PG90, XL7936G90)

COLOR

Due to printing limitations, shade may vary from actual product.

Unpainted

* Drywall Ceilings Solutions are also addressed on Pg. 373 (Integrated Ceiling Solutions – Common Conditions)

VISUAL SELECTION

PACKAGING

Face Profile	Item No.	Description	Rout Spacing	Dimensions (Inches)	Hanger Spacing* Lbs./Lin. Ft. 2 Ft.	3 Ft.	4 Ft.	Pcs/ Ctn	Lin. Ft./ Ctn
Drywall Grid Main Beams (Red Numbers are Fire Guard™ Items)									
1-1/2"	**HD8906HRC** **HD8906G90** **HD8906** **HD8906IIC**	12' HD Drywall Main Beam (For Type F Light Fixtures)	42 routs – starting 2-1/4" from each end	144 x 1-1/2 x 1-11/16"	95.5	43.19	18.66	12	144
1-1/2"	**HD890610**	10' HD Drywall Main Beam (For Type F Light Fixtures)	51 routs – starting 2-1/4" from each end	120 x 1-1/2 x 1-11/16"	95.5	43.19	18.66	12	120
1-1/2"	**SP135**	135" HD Stucco Main Beam G90	13.5" O.C.	135 x 1-1/2 x 1-11/16"	–	43.19	18.66	12	130
Drywall Grid Cross Tees									
1-1/2"	**XL8965** **XL8965HRC**	6' Drywall Cross Tee	6 routs – starting 24" from each end	72 x 1-1/2 x 1-1/2"	6'	6.87	–	36	216
1-1/2"	**XL8947P** **XL8947G90**	50" Drywall Cross Tee	8 routs – starting 10" from each end	50 x 1-1/2 x 1-1/2"	50"	19.5	–	36	150
1-1/2"	**XL8945P** **XL8945PHRC** **XL8945G90**	4' Drywall Cross Tee	9 routs – center route and starting 10" from each end	48 x 1-1/2 x 1-1/2"	4'	22.5	–	36	144
1-1/2"	**XL7936G90**	3' Drywall Cross Tee	none	36 x 1-1/2 x 1-1/2"	3'	50.0	–	38	108
1-1/2"	**XL8926G90** **XL8926**	2' Cross Tee	3 routs – center route and 10" from each end	24 x 1-1/2 x 1-1/2"	2'	90.25	–	36	78

* NOTE: All load test data based on flat installation per ASTM C635. ASTM Class ID - Intermediate-duty HD - Heavy-duty LD - Light-duty

DRYWALL Grid Systems

Flat Ceilings

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

UP TO 61% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
		✓	✓	✓				✓	✓				

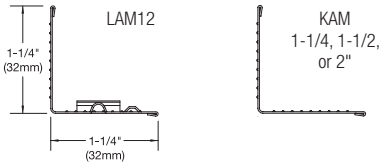
▲ LOCATION DEPENDENT

VISUAL SELECTION

PACKAGING

Face Profile	Item No.	Description	Dimensions	Pcs./ Ctn	Lin. Ft./ Ctn.
Knurled Angle Molding					
1-1/4"	**KAM10**	10' Knurled Angle Molding (0.18mil)	120 x 1-1/4 x 1-1/4"	10	100
1-1/4"	**KAM12/ KAM12HRC**	12' Knurled Angle Molding (0.18mil)	144 x 1-1/4 x 1-1/4"	10	120
1-1/4"	**KAM12G90**	12' Knurled Angle Molding (0.18mil)	144 x 1-1/4 x 1-1/4"	10	120
1-1/2"	**KAM1510**	10' Knurled Angle Molding (0.18mil)	120 x 1-1/2 x 1-1/2"	10	100
1-1/2"	**KAM1512**	12' Knurled Angle Molding (0.18mil)	144 x 1-1/2 x 1-1/2"	10	120
1-1/2"	**KAM151020E**	10' Knurled Angle Molding (0.28mil)	120 x 1-1/2 x 1-1/2"	10	100
1-1/2"	**KAM151020**	10' Knurled Angle Molding (0.33mil)	120 x 1-1/2 x 1-1/2"	10	100
1-1/2"	**KAM151220E**	12' Knurled Angle Molding (0.28mil)	144 x 1-1/2 x 1-1/2"	10	120
2"	**KAM21025**	10' Knurled Angle Molding (0.18mil)	120 x 2 x 2"	10	100
2"	**KAM21020EQ**	10' Knurled Angle Molding (0.28mil)	120 x 2 x 2"	10	100
2"	**KAM21020**	10' Knurled Angle Molding (0.33mil)	120 x 2 x 2"	10	100
3/4"	**7838**	10' Channel Molding	120 x 1-1/4 x 1-9/16 x 3/4"	20	200
15/16"	**7858**	12' Reverse Angle Molding	144 x 1-9/16 x 15/16"	20	240
1-1/4"	**LAM12/LAM12HRC LAM12G90**	12' Locking Angle Molding (Locking Tabs 8" O.C.)	144 x 1-1/4 x 1-1/4"	20	240

DETAILS



new For Drywall Linear Lighting capabilities refer to pg.350



Drywall Main Beam, Cross Tee, and Angle Molding

PHYSICAL DATA

Material
Hot-dipped galvanized steel

Surface Finish
Unpainted steel

Fire Resistance Rating
Resistive when used in applicable UL fire resistive designs. Fire Guard™ components meet UL Design Listings D501, D502, G523, G524, G526, G527, G528, G529, G531, G553, G566, G579, L502, L508, L513, L515, L526, L529, L564, P506, P507, P508, P509, P510, P513, P514

Cross Tee/Main Beam Interface
Override

End Detail
Main Beam: Staked-on clip (HD8906, HD8906G90)
Cross Tee: Staked-on clip

Seismic Performance
ICC Evaluation Service, Inc. ESR-1289

Complies with IBC requirements.
Drywall ceilings are a continuous membrane.
Consult local codes for requirements.

MAIN BEAMS	MINIMUM LBS. TO PULL OUT COMPRESSION/TENSION
HD8906	374.0
HD89906IIC	374.0
HD8906HRC	374.0

CROSS TEES	MINIMUM LBS. TO PULL OUT COMPRESSION/TENSION
XL7936G90 XL8926 XL8945P XL8947P XL8965 XL8965HRC XL8945PHRC	377.0

ICC Reports
For areas under ICC jurisdiction, see ICC evaluation report number ESR-1289 for allowable values and/or conditions of use concerning the suspension system components listed on this page. The report is subject to reexamination, revisions, and possible cancellation.

Warranty
Warranty details available at armstrongceilings.com

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Armstrong® CEILING & WALL SOLUTIONS

DRYWALL Grid Systems

Curved Ceilings

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

UP TO 61% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
		✓	✓	✓				✓	✓				

▲ LOCATION DEPENDENT



Faceted Drywall Grid System for curved drywall ceilings

Pre-engineered suspension system with notched main beams to simplify curved drywall installations and complicated designs.

VISUAL SELECTION

PACKAGING

Face Profile	Item No.	Description	Dimensions (Inches)	Rout Spacing	Load Test Data* (Lbs./Lin. Ft.) L/240	L/360	Pcs./ Ctn.	Lin. Ft./ Ctn.
Faceted Drywall Grid Main Beams								
1-1/2"	**HD8906F08**	12' Faceted Drywall Main Beam: for creating curved installations	144 x 1-1/2 x 1-11/16"	51 routs – 8" O.C.	18.4 @ 12'	12.3	12	144
1-1/2"	**HD8906F16**	12' Faceted Drywall Main Beam: for creating curved installations	144 x 1-1/2 x 1-11/16"	51 routs – 16" O.C.	18.4 @ 4'	12.3	12	144
Drywall Grid Cross Tees								
1-1/2"	**XL8965 XL8965HRC**	6' Drywall Cross Tee	72 x 1-1/2 x 1-1/2"	6 routs – starting 24" from each end	6.87 @ 72"	4.58 @ 72"	36	216
1-1/2"	**XL8947P XL8947PG90**	50" Drywall Cross Tee	50 x 1-1/2 x 1-1/2"	8 routs – starting 10" from each end – for Type F light fixtures	19.5 @ 50"	12.79 @ 50"	36	150
1-1/2"	**XL8945P XL8945PHRC XL8945PG90**	4' Drywall Cross Tee	48 x 1-1/2 x 1-1/2"	9 routs – center rout and starting 10" from each end – for Type F light fixtures	22.5	14.27	36	144
1-1/2"	**XL7936G90**	3' Drywall Cross Tee	36 x 1-1/2 x 1-1/2"	None	49.96 @ 3'	31.33 @ 3'	38	108
1-1/2"	**XL8926 XL8926G90**	2' Cross Tee	24 x 1-1/2 x 1-1/2"	3 routs – center rout and 10" from each end	158 @ 2'	90.25 @ 2'	36	78

Accessories (For additional accessories, see pages 437-438.)

	RC2	Radius Clip	205
	FZRC2	Radius Clip	50

* NOTE: All load test data based on flat installation per ASTM C635.

ASTM Class
HD - Heavy-duty
ID - Intermediate-duty
LD - Light-duty

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QUIKSTIX™

Drywall Grid System for Soffits

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

UP TO 61% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
		✓	✓	✓				✓	✓				

▲ LOCATION DEPENDENT



QuikStix™ Drywall System for Soffits

A faster, easier, better way to frame drywall soffits; designed to significantly reduce time and labor associated with cutting and measuring.*

KEY SELECTION ATTRIBUTES

- Faster, easier, better way to frame Drywall Soffits of all types
- Knockouts at 6" and 8" centers reduce cutting time
- Alignment holes make screw installation simple
- Forms perfect 30°, 45°, 60°, 75° and 90° angles
- Flattened bulb is offset to allow true angles without interference
- Bending crimp prevents misalignment
- 90° angle fits locking angle molding (LAM-12)

Locking Angle Molding

- Faster, more accurate solution
- Pre-engineered locking tabs punched 8" on center:
  - Eliminate measuring 16" or 24"
  - Locking tabs prevent lateral and upward movement
  - Eliminate screws, pop rivets, or crimpers needed to attach tees to molding
- Knurled surface on both flanges
- **ScrewStop™** reverse hem prevents screw spin-off and provides safer handling
- Crimp marks at locking tabs for fast, easy alignment
- 10-year limited warranty

* Drywall Soffit installation is also addressed on Pg. 370 (Integrated Ceiling Solutions – Common Conditions)

VISUAL SELECTION / MAXIMUM LOAD (LBS./SF)*

Item No.	Dimensions	Lin. Ft./ Bundle	O.C. Spacing	3' Span Lbs./SF	4' Span Lbs./SF	O.C. Knockouts
QuickStix™ for Soffits						
QS612 **QS612G90**	144 x 1-1/2 x 1-1/2"	144	6"	–	4.87	6"
QS812 **QS812G90**	144 x 1-1/2 x 1-1/2"	144	8"	2.80	–	8"
QUIKSTIX™ Locking Pocket Main Beams						
QSLPM12/ **QSLPM12G90**	144 x 1-1/2 x 1-1/2"	144	8"	26.95	14.5	8"

* Simple Span L/240

VISUAL SELECTION / PACKAGING

Item No.	Description	Dimensions	Pcs./ Bundle	Lin. Ft./ Bundle
Molding				
LAM12 **LAM12G90** **LAM12HRC**	12' Locking Angle Molding (Locking tabs 8" O.C.)	144 x 1-1/4 x 1-1/4"	20	240
KAM12 **KAM12HRC**	12' Knurled Angle Molding	144 x 1-1/4 x 1-1/4"	10	120
KAM1510	10' Knurled Angle Molding	120 x 1-1/2 x 1-1/2"	10	100
KAM1512	12' Knurled Angle Molding	144 x 1-1/2 x 1-1/2"	10	120

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Armstrong® CEILING & WALL SOLUTIONS

QUIKSTIX™

Drywall Grid System
Locking Pocket Main Beams

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

UP TO 61% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓, construction waste mgmt ✓, regional materials ✓, design for flexibility ✓, EPD, recyclable/extended producer resp., biobased materials, recycled content ✓, sourcing of raw materials ✓, material ingredient reporting, low emitting/materials, lighting quality, acoustics

▲ LOCATION DEPENDENT



QuikStix™ Drywall Ceiling System

Drywall suspension systems specifically engineered for faster, easier drywall installation...even for drywall spans of up to 7'.

KEY SELECTION ATTRIBUTES

ShortSpan® Tees

- Some components available in High Recycled Content (HRC); Total Recycled Content 61%, Post-consumer 53%, Pre-consumer 8%
- Non-HRC items have 30% recycled content
- 1-1/2" wide face exceeds the minimum industry standard
- **ScrewStop™** reverse hem prevents screw spin off
- Balanced profile stays flat during installation
- Rotary stitching on double web adds strength and stability
- Deep knurled surface for easy screw insertion
- G40, .018" metal thickness meets ASTM C645

StrongBack™

- Easy, pre-engineered solution to support spans over 6 or 7 feet

Locking Angle Molding

- Pre-engineered locking tabs punched 8" on center:
  - Eliminate measuring 16" or 24"
  - Prevent lateral and upward movement
  - Eliminate screws, pop rivets, or crimpers needed to attach tees to molding
- Knurled surface on both flanges
- **ScrewStop** reverse hem prevents screw spin-off and provides safer handling
- 10-year limited warranty

VISUAL SELECTION / MAXIMUM LOAD (LBS./LIN FT) / PACKAGING

Face Profile	Item No.	Description	Dimensions	Lin. Ft./ Bundle	Hanger Spacing Lbs./Lin. Ft.* 3 Ft.	Hanger Spacing Lbs./Lin. Ft.* 4 Ft.	Pcs./ Bundle
QUIKSTIX Locking Pocket Main Beams (Red Numbers are Fire Guard™ Items)							
1-1/2"	**QSLPM12** **QSLPM12G90**	Locking Pocket Main Beam	144 x 1-1/2 x 13/16"	144	26.95	14.15	12
SHORTSPAN® Cross Tees							
new 1-1/2"	**S7708P** **S7708PG90**	ShortSpan Tee	96 x 1-1/2 x 13/16"	96	–	–	12
1-1/2"	**S7710** **S7710G90**	ShortSpan Tee	120 x 1-1/2 x 13/16"	120	–	–	12
1-1/2"	**S7712P** **S7712PHRC** **S7712PG90**	ShortSpan Tee	144 x 1-1/2 x 13/16"	144	–	–	12
1-1/2"	**S7714P** **S7714PHRC** **S7714PG90**	ShortSpan Tee	168 x 1-1/2 x 13/16"	168	–	–	12

* Simple Span L/240

NOTE: 5/8" drywall weighs 2.4 lbs./SF
1/2" drywall weighs 2.0 lbs./SF
1/2" lite drywall weighs 1.3-1.4 lbs./SF

ACCESSORIES

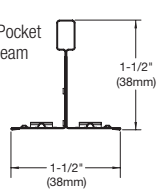
Item No.	Description	Pcs./Ctn.
QSUTC	QuickStix Uptight Clip	150

For Molding and Knurled Angle Molding, see pages 402-404.

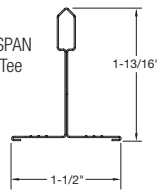
DETAILS

For more information, see submittal BPCS-3639.

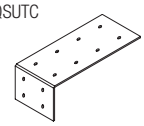
Locking Pocket Main Beam



SHORTSPAN Cross Tee



QSUTC



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SHORTSPAN®

Drywall Framing System



ShortSpan® Drywall Framing System

The fastest and easiest way to frame flat drywall ceilings up to 14' wide.*

KEY SELECTION ATTRIBUTES

Designed to be the fastest and easiest way to frame flat drywall ceilings up to 14' wide.

ShortSpan® Cross Tees

- Eliminates hanger wires for spans up to 8'-6"
- Easy, pre-engineered solution to support spans up to 8'-6" with no mid-span support
- **PeakForm®** profile increases strength and stability
- Select items available in High Recycled Content (HRC) (S7712, S7714)
- **ScrewStop™** reverse hem prevents screw spin-off
- Balanced profile stays flat during installation
- Rotary stitching on double web adds strength and stability
- G40, .018" metal thickness meets ASTM C645

Locking Angle Molding

- Pre-engineered locking tabs punched 8" on center:
  - Eliminate measuring 16" or 24" O.C.
  - Locking tabs prevent lateral and upward movement
  - Eliminate screws, pop rivets, or crimpers needed to attach cross tees to molding
- Knurled surface on both flanges
- **ScrewStop** reverse hem prevents screw spin-off and provides safer handling
- Crimp marks at locking tabs for fast, easy alignment
- 10-year limited warranty

* Corridor Installation Solutions are also addressed on Pg. 376 (Integrated Ceiling Solutions – Common Conditions)

VISUAL SELECTION

PERFORMANCE

Item No.	Description	Dimensions	Performance (Fire Guard™ Only)	Packaging Pcs./ Bundle	Lin. Ft./ Bundle
SHORTSPAN® Cross Tees (Red Numbers are Fire Guard™ Items)			Dots represent high level of performance.		
S7708P **S7708PG90**	8' ShortSpan Cross Tee	96 x 1-1/2 x 1-13/16"	•	12	96
S7710P **S7710PG90**	10' ShortSpan Cross Tee	120 x 1-1/2 x 1-13/16"	•	12	120
S7712P **S7712PHRC** **S7712PG90**	12' ShortSpan Cross Tee	144 x 1-1/2 x 1-13/16"	•	12	144
S7714P **S7714PHRC** **S7714G90**	14' ShortSpan Cross Tee	168 x 1-1/2 x 1-13/16"	•	12	168
QUIKSTIX™ Locking Pocket Main Beams					
SB12P **SB12PG90**	Locking Pocket Main Beam	144 x 1-1/2 x 1-1/2"	–	12	144
StrongBack™ Support Hanger					
SB12P **SB12PG90**	StrongBack	144" x 2"	–	12	144
Wall Moldings					
LAM12 **LAM12HRC**	12' Locking Angle Molding (Locking tabs 8" O.C.)	144 x 1-1-1/4 x 1-1-1/4"	–	12	240
KAM10	Knurled angle molding – 25-gauge (.018" metal thickness)	120 x 1-1/4 x 1-1/4"	–	10	100
KAM12 **KAM12G90** **KAM12HRC**	Knurled angle molding – 25-gauge (.018" metal thickness)	144 x 1-1/4 x 1-1/4"	–	10	120
KAM1510	Knurled angle molding – 25-gauge (.018" metal thickness)	120 x 1-1/2 x 1-1/2"	–	10	100
KAM1512	Knurled angle molding – 25-gauge (.018" metal thickness)	144 x 1-1/2 x 1-1/2"	–	10	120
KAM151020EQ	Knurled angle molding – 22-gauge (.028" metal thickness)	144 x 1-1/2 x 1-1/2"	–	10	100
KAM151020	Knurled angle molding – 20-gauge (.033" metal thickness)	144 x 1-1/2 x 1-1/2"	–	10	100
KAM151220EQ	Knurled angle molding – 22-gauge (.028" metal thickness)	144 x 1-1/2 x 1-1/2"	–	10	120
KAM21025	Knurled angle molding – 25-gauge (.018" metal thickness)	144 x 2 x 2"	–	10	100
KAM1520G90	Knurled angle molding – 22-gauge (.018" metal thickness)	120 x 1-1/2 x 1-1/2"	–	10	100
KAM1525G90	Knurled angle molding – 25-gauge (.018" metal thickness)	120 x 1-1/2 x 1-1/2"	–	10	100
KAM21020EQ	Knurled angle molding – 22-gauge (.028" metal thickness)	120 x 2 x 2"	–	10	100
KAM1525G90	Knurled angle molding – 25-gauge (.018" metal thickness)	120 x 1-1/2 x 1-1/2"	–	10	100
KAM21020	Knurled angle molding – 20-gauge (.033" metal thickness)	120 x 2 x 2"	–	10	100

FIRE RESISTANCE RATING

Meets a broad range of UL design assemblies D501, D502, G523, G524, G527, G528, G529, G531, G553, J502, L502, L508, L513, L515, L525, L526, L529, L564, P501, P506, P507, P508, P509, P510, P513, P514.

SHORTSPAN®

Drywall Framing System

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

UP TO 61% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt ✓; regional materials ✓; design for flexibility ✓; EPD; recyclable/extended producer resp. ✓; biobased materials; recycled content ✓; sourcing of raw materials ✓; material ingredient reporting; low emitting/materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

MAXIMUM LOAD TEST DATA IN LBS./SF - L/240 (Red numbers are FireGuard™ items)

(10'-14' spans require a mid-span support)

Item No. ◆	OC Spacing	4' Span Lbs./SF	5' Span Lbs./SF	6' Span Lbs./SF	7' Span Lbs./SF	7'-6" Span Lbs./SF	8' Span Lbs./SF	8'-6" Span Lbs./SF	10' Span Lbs./SF	12' Span Lbs./SF	14' Span Lbs./SF
S77_ _P	16"	23.82	10.64	7.87	4.38	4.16	3.32	2.53*	10.64	7.76	4.38
S77_ _P	24"	15.88	7.09	5.25	2.92	2.77*	2.22	1.69	7.09	5.17	2.92

* Maximum load for 16"/24"

◆ Enter appropriate cross tee length 8", 10", 12" or 16" (Example: S7708P)

LOAD TEST DATA

Hanger Spacing
Uniform Load at L/240 (Lbs/LF)

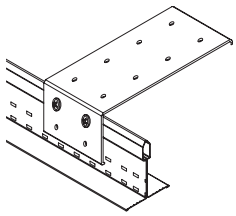
ShortSpan® Cross Tees	Web Height	3'	4'	5'	6'	7'	7'-6"	8'	8'-6"
S77_ _P	1-13/16"	–	31.76	14.18	10.49	5.84	5.54	4.43	3.37
QuikStix™ Locking Pocket Main									
QSLPM12	1-1/2"	40.60	21.64	–	–	–		–	
StrongBack™ Support Hanger		Hanger Spacing Uniform Load at L/360 (Lbs/LF)							
SB12P	2"	27.53	17.76	–	–	–		–	

ACCESSORIES

QSUTC – QuikStix Uptight Clip – Saves time in tight plenum areas and is adjustable to uneven surfaces.

QSUTC – 100 pcs

FZQSUTC – 50 pcs



INSTALLATION NOTES

1. Must screw LAM12 and KAM12 to wall structure using #8 x 1-1/4" wafer head self-drill sheet metal screws tested in 25- and 20- gauge steel studs)
2. ShortSpan Tees must be cut within 1/8" of the vertical leg of the LAM and QSLPM
3. Slide StrongBack support hanger over the bulb of ShortSpan tee and engage by bending locking tabs back to original position
4. Support and level system to structure; attach vertical supports to StrongBack support hanger as required
5. The ShortSpan system was installed per these installation notes to produce the load data provided in the chart above

NOTE: For fire resistant installations, refer to UL Directory and Designs for details

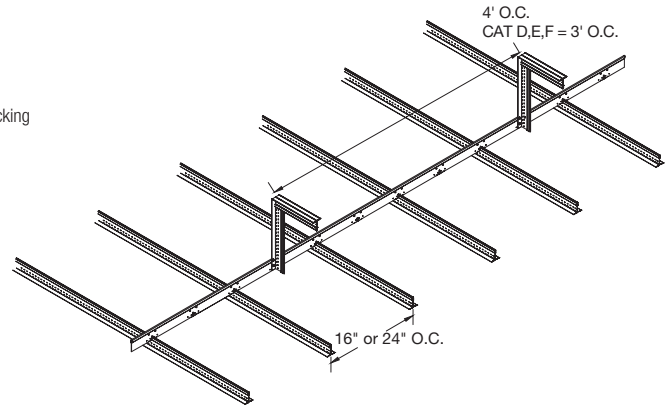
ShortSpan Vertical Support Requirements

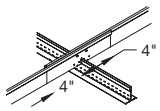
Tees installed 16" on center with 5/8" or 1/2" drywall (Seismic Design Categories A, B, C, D, E, F)	
Up to 8'-6" span	No vertical support required
8'-6" to 14' span	Mid-span vertical support required

Tees installed 24" on-center with 5/8" drywall (Seismic Design Categories A, B, C, D, E, F)	
Up to 7'-6 " span	No vertical support required
7'-6" to 14' span	Mid-span vertical support required

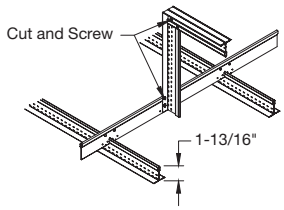
No Additional Screws Requirements For Seismic Areas

There's no need to screw ShortSpan Tees to Locking Angle Molding in Seismic Design Categories A-F (unless required by local code).

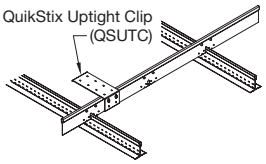




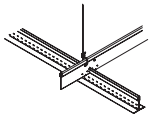
StrongBack Overlap Splice



300 lbs. pullout strength on the StrongBack connection to ShortSpan Tee Bulb

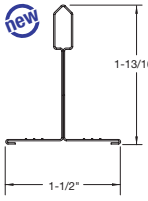


StrongBack support hanger attached to structure using the QuikStix™ Uptight Clip

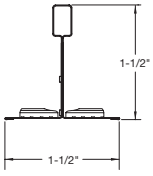


StrongBack support hanger attached to structure using hanging wire

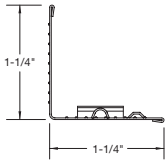
DETAILS



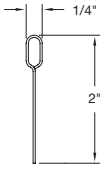
ShortSpan Tee



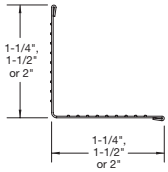
QuikStix™ Locking Pocket Main (will not span 8'– 6")



Locking Angle Molding



StrongBack Support Hanger



Knurled Angle Molding

PHYSICAL DATA

Material
Hot-dipped galvanized steel

Surface Finish
Unpainted steel

Face Dimension
1-1/2" T-bar section

Fire Resistance
Resistive when used in applicable UL fire resistive designs D501, D502, G523, G524, G526, G527, G528, G529, G531, G553, J502, L502, L508, L513, L515, L525, L526, L529, L564, P501, P506, P507, P508, P509, P510, P513, P514.
(QSUTC, QSLPM12 are not fire-rated.)

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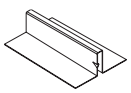
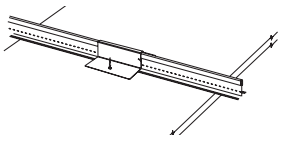
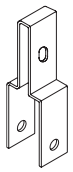
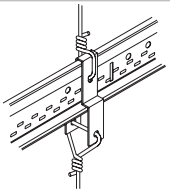
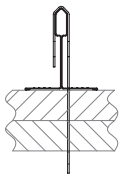
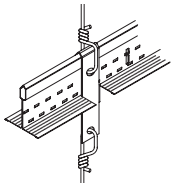
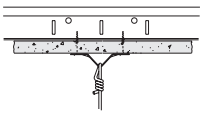
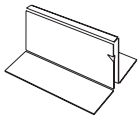
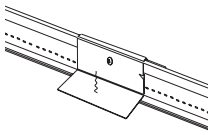
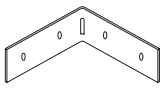
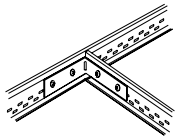
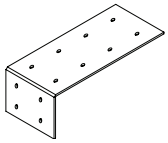
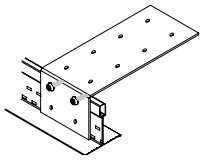
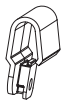
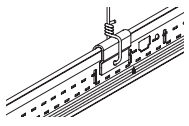
DRYWALL INSTALLATION SYSTEMS – Accessories

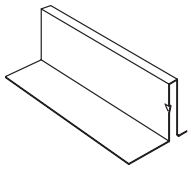
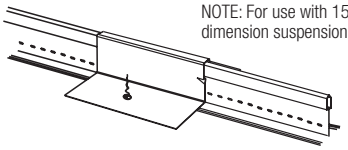
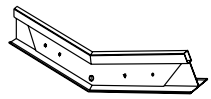
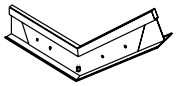
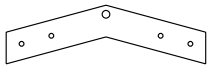
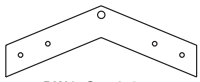
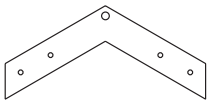
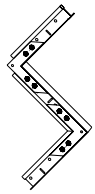
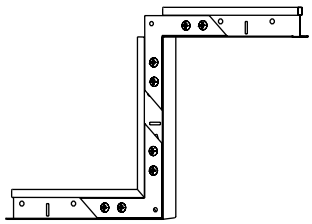
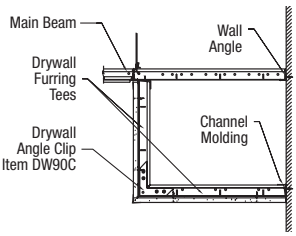
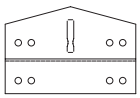
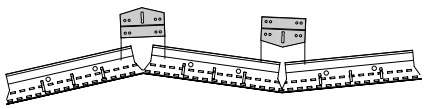
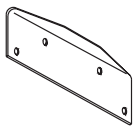
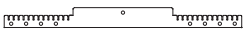
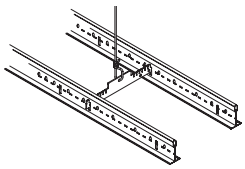
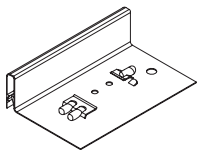
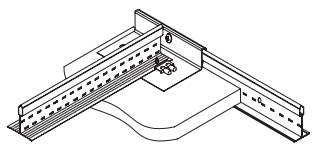
FastShip™

The FastShip™ Clips and Accessories Program offers more than 90 clips and accessory items that are available for overnight or ground delivery direct to the jobsite in full size or 50-piece cartons.

VISUAL SELECTION

Item No.	Description		
EHDC50 (for 1/2" ceiling panels and drywall) **EHDC58** (for 5/8" ceiling panels and drywall) **EHDC75** (for 3/4" ceiling panels and drywall) 125 pcs **FZEHDC50** (for 1/2" ceiling panels and drywall) **FZEHDC58** (for 5/8" ceiling panels and drywall) **FZEHDC75** (for 3/4" ceiling panels and drywall) 50 pcs	External Hold-Down Clip locks under bulb of grid section to prevent upward movement and provide secure attachment surface. Keeps acoustical and drywall ceiling components in place during wind uplift and in high security areas.		
DLCC 250 pcs **FZDLCC** 50 pcs	DLCC – Direct Load Ceiling Clip is used to hang suspension system below existing 15/16" grid face, transferring weight directly to hanger wire; may be used to preserve the fire rating of an existing ceiling, and to support heavy accessories.		
DDC 250 pcs **FZDDC** 50 pcs	DDC – Double Drywall Clip is used to hang suspension system below existing 1-1/2" grid face, transferring weight directly to hanger wire; may be used to preserve the fire rating of an existing ceiling, and to support heavy accessories; allows for double layer of 5/8" gypsum board.		
DWC 250 pcs	DWC – Drywall Clip allows for a "second" ceiling to be installed below a drywall ceiling; attaches through installed drywall to supporting structure.		
MBAC 70 pcs **FZMBAC** 50 pcs	MBAC – Main Beam Adapter Clip attaches to web of suspension system section; provides larger surface for screw attachments; used as a hold-down clip for thin material (metal or plastic lay-in panels); fastens drywall track to underside of exposed suspension system with lay-in panels, leaving suspension system face free of screw holes.		
XTAC 100 pcs **FZXTAC** 50 pcs	XTAC – Cross Tee Adapter Clip is used to attach field-cut cross tees to main beams.		
QSUTCA 150 pcs **FZQSUTCA** 50 pcs	QSUTCA – QuikStix™ Uptight Clip saves time in tight plenum areas and is adjustable to uneven surfaces.		
IIC 36 pcs	IIC – Impact Isolation Clip for use with HD8906IIC drywall grid main beam. Provides up to 8 points of IIC improvement to ensure your project meets IBC requirements. **IIC Clip must be used with HD8906IIC Drywall Grid Main Beam**		

VISUAL SELECTION

Item No.	Description	
DWACS 100 pcs **FZDWACS** 50 pcs	DWACS – Drywall Attachment Clip – Facilitates transition from drywall to acoustical ceiling; locks under bulb of grid section to prevent upward movement and provide secure attachment surface on one side of exposed grid.	  NOTE: For use with 15/16" face dimension suspension system.
DW30C – 30º **DW45C** – 45º **DW60C** – 60º **DW90C** – 90º 250 pcs **FZDW30C** – 30º **FZDW45C** – 45º **FZDW60C** – 60º **FZDW90C** – 90º 50 pcs	Drywall Angle Clip – Used to create positive and secure angles for drywall and ceiling installations on either main beams or cross tees; attachment to be made with 7/16" pan head screw.	   DW30C – 30º  DW45C – 45º  ☐ DW60C – 60º  DW90C – 90º  
RC2 205 pcs **FZRC2** 50 pcs	RC2 – Radius Clip is used for drywall applications which form curved installations; attaches to the cavity side of web of the main beam with four 7/16" pan head screws. Install at all knockout locations.	 
RC1 200 pcs **FZRC1** 50 pcs	RC1 – Splice Clip is used as a main beam splice or partition top trim splice.	
GSC9 (2-1/2" to 8-1/2") **GSC12** (5-1/2" to 11-1/2") **GSC16** (9-1/2" to 15-1/2") 100 pcs **FZGSC9** (2-1/2" to 8-1/2") **FZGSC12** (5-1/2" to 11-1/2") **FZGSC16** (9-1/2" to 15-1/2") 50 pcs	Adjustable Grid Spacer Clip – Used to space two parallel main beams for light fixtures, air diffusers, etc.; allows for 1/4" adjustments with three different clips.	 
Locking **DW58LT** – 5/8" Gypsum **DW50LT** – 1/2" Gypsum 125 pcs **FZDW58LT** – 5/8" Gypsum **FZDW50LT** – 1/2" Gypsum 50 pcs **Non-locking** **DW58AG** – 5/8" Gypsum **DW50AG** – 1/2" Gypsum 125 pcs	Drywall Transition Clip with Locking Tabs – Facilitates transition from drywall to acoustical ceiling; one-sided hold-down clip; eliminates need for drywall bead. Locking tabs provide secure location for DGS cross tees.	 

LEED® is a registered trademark of the U.S. Green Building Council

You Can Use Acoustical Walls to Enhance Design and Acoustical Performance

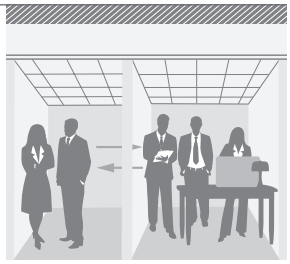
Acoustical absorption is important to:
- Reduce noise levels and reverberation time
- Enhance speech intelligibility

Acoustical wall treatments offer an additional option to further reduce noise. Measures for walls are stated in STC or NRC values. Adding wall treatments to an acoustical ceiling can improve reverberation time by 87%. See example below.

STC (Sound Transmission Class)

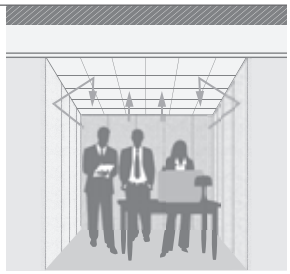
A measure for rating the performance of a wall system as a barrier to airborne sound transmission between adjacent closed spaces such as offices.

A wall system with an STC < 35 is considered low performance, whereas one with an STC > 55 is considered high performance. STC is the wall equivalent of CAC. STC is measured according to ASTME 90.

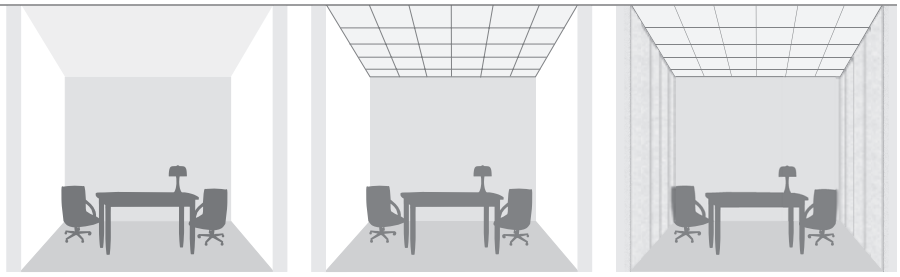


NRC (Noise Reduction Coefficient)

A measure for rating the overall sound absorption of a material when used in an enclosed architectural space such as an office, where sound is reflected at many angles of incidence. A wall system with an NRC < 0.50 is considered low performance, whereas one with NRC > 0.70 is considered high performance.



Example:



3,200 SF Closed Conference Room (20' x 16'), 10' ceiling height, drywall, vinyl floor	**No Treatment (Drywall Ceiling)**	**Acoustical Ceiling (Ultima® 0.70/35)**	**Acoustical Ceiling (Ultima 0.70/35) and Two Soundsoak® 60 Walls**
NRC	0.10	0.70	0.70 (Ceiling and Wall Treatments)
Shared Wall STC	35	35	45
Reverberation Time	2.3 sec	0.5 sec	0.3 sec
RT Improvement	ref	78%	87%
SPL Reduction	ref	-4.8 dB	-7.5 dB

For definitions of acoustical terms, see pages 473-474 in this catalog.



WALLS

WALLS
At-a-Glance

Product information listed pertains to product families, may not apply to individual items. Consult product details at armstrongceilings.com/commercial before specifying/purchasing.

new TECTUM® WOOD FIBER – WALLS – STANDARD & CUSTOM



TECTUM® Direct-Attach Wall Panels Pgs. 445-446



TECTUM® Finalé™ Wall Panels Pg. 447



TECTUM® Fabric Wall Panels Pg. 448



TECTUM® Panel® Art Wall Panels Pg. 449

Standard Colors

Natural (TNA)

White (TWH)

Made-to-order Colorations® Colors Available

Made-to-order Sherwin-Williams® Colors Available

SOUNDSOAK FABRIC WALLS – STANDARD & CUSTOM



SOUNDSOAK® Standard Pg. 450

Standard Fabrics – FR-701® (FR)
Fabrics are dye-lotted and should be segregated by dye lot. Do not mix.

Blue Neutral (BN) · Black (BL) · Blue Papier (BR) · Straw (ST) · Terra (TR) · Ultramarine (UM) · Blue Plum (BE) · Wheat (WE) · Cherry Neutral (CN) · Crystal Blue (CB) · Eucalyptus (EU) · Silver Neutral (SN)

Blue Spruce (BS) · Grey Mix (GM) · Leaf (LE) · Opal (OP) · Bone (BO) · Deep Burgundy (DB) · Violet (VI) · Quartz (QZ) · Silver Papier (SP) · Cement Mix (CM)

Composed Fabric Surface – Tempos™ (TS)
Colors are available on both Rhythms and Tempos but only shown in one.

Blue Mauve (BMB) · Balboa (BA) · Desert Sand (DSB) · Mist (MIB) · Oatmeal (OAB) · Pearl Grey (PGB)

Rhythms® (RH)

Blue Mauve (BMB) · Mist (MIB) · Pearl Grey (PGB)

Woven Fabric Surface – Lido™ (LD)
Fabrics are dye-lotted and should be segregated by dye lot. Do not mix.

Bryce Canyon (BC) · Balboa (BA) · Hermosa (HE) · Oak Bluffs (OB)

Anchorage™ (AN)

Angora (AG) · Vanilla (VN) · Goose (GS) · Birch (BR)

Metallation™ (MT)

Chrome (CH) · Polished Pewter (PP) · Stainless (ST) · Stove Pipe (SP) · Welded Steel (WS)

Spinel™ (SP)

Opal (OP) · Sandstone (SS)

Vinyl Surface – Signature (SV)
Mineral Fiber Substrate only

Concrete (CCA) · Sand (SAA)



SOUNDSOAK® Custom Pg. 457

Custom Fabrics & Sizes – You select it, we'll make it!

Choose a standard fabric or select your own.

We'll create your walls.



Custom Fabrics Available

armstrongceilings.com/customsoundsoak

NOTE: Standard SoundSoak® panel item numbers include references to size, fabric, and substrate. Consult your price list or contact TechLine for assistance with identifying item numbers.

FR-701®, Anchorage, Lido, and Metallation are trademarks of Guildford of Maine

Armstrong® CEILING & WALL SOLUTIONS

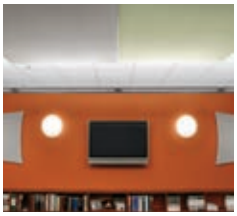
TEXTURED SCRIM WALLS – STANDARD



OPTIMA™/ PAINTED NUBBY™ Wall Panels Pg. 452

Standard Color

White (WH)



SOUNDSCAPES™ Shapes Walls Pg. 452

Standard Colors

White (WH), Shell (SH), Pale Lemon (LM), Pecan (PC), Sky (SK), Moss (MS), Stone (SE)

Reef (RE), Lagoon (LA), Plum (PM), Cranberry (CN), Kiwi (KW), Tangerine (TG), Black (BK)

METAL WALLS – CUSTOM



Custom Metal Walls Pg. 463

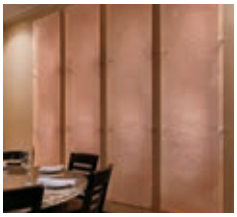
Standard Colors – Metal

White (WH), Silver Grey (SG), Gun Metal Grey (MY), RAL® and Custom Colors Available

TRANSLUCENT PARTITIONS AND WALLS – STANDARD



INFUSIONS™ Partitions Pg. 459



INFUSIONS™ Walls Pg. 460

Standard Colors – Solids (partial list) (See pages 460 for full color offering.)

Refined Kiwi (TRK), Refined Reef (TRR), Refined Lagoon (TRL), Refined Plum (TRP), Refined Tangerine (TRT), Refined Cranberry (TRC), Refined Black (TRB)

Patterns

Honey Canvas (THC), Spun Copper (TSC), Linen Gold (TLG), Crushed Copper (TCC), Orange Arbor (TOA)

ICON KEY

Icons are used throughout the catalog to help you quickly identify key product with high level of performance.

High Acoustics

Acoustical options available.

Product has NRC (Noise Reduction Coefficient) 0.70 or greater.

Fire Performance

Class A

High Durability

Washability

Offers superior wash resistance without compromising panel finish integrity, using a washability tester as per ASTM D4828.

Scrubbability

Product is scrubbable. See specific info on product page.

Impact Resistance

Excellent resistance to surface impact as per Falling Ball Test.

Scratch Resistance

Excellent resistance to surface scratching, scuffing, or chipping as per Hess Rake Test.

Soil Resistance

Excellent resistance to dirt and/or grease for lasting value and performance.

Color Availability

Available in color.

Recycle Program

Product is recyclable through the Armstrong Recycling Program

RAL® is a registered trademark of RAL gGmbH

WALLS
At-a-Glance

WOOD WALLS – STANDARD & CUSTOM



WOODWORKS® Pgs. 453-454
Standard Walls

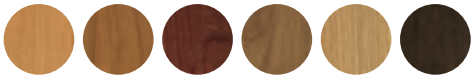


WOODWORKS® Pgs. 455-456
Channeled Walls



WOODWORKS® Pgs. 457-458
Ekos® Wall System

Standard Finishes – Natural Variations™



Constants™

Bamboo



Ekos

Channeled





WOODWORKS® Pg. 464
Custom Walls



WOODWORKS® Pg. 464
Channeled Custom Walls



WOODWORKS® Grille
Custom Walls
armstrongceilings.com

Custom Finishes (partial list)



WOODWORKS CEILING-TO-WALL TRANSITIONS



WOODWORKS® Channeled Pgs. 455-456
Wall Planks



WOODWORKS® Grille Pg. 190
Wall-to-Ceiling



WOODWORKS® Linear Pg. 195
Planks Wall-to-Ceiling



WOODWORKS® Pg. 464
Custom Walls



WOODWORKS® Pg. 464
Custom Walls



WOODWORKS® Pg. 464
Custom Walls

FR-701®, Anchorage, Lido, and Metallation are trademarks of Guildford of Maine

RECOMMENDED AREAS OF USE

Dots represent high level of performance.

Product	Substrate	Panel Thickness	Finish	NRC Rating A Mounting	NRC Rating D-20 Mounting	NRC Rating C-40 Mounting	NRC Rating C-20 Mounting	STC Rating 1 Side	STC Rating 2 Sides	Conf. Rooms	Private Offices	Classrooms	Corridors	Cafetorium	Music Rooms	Patient Rooms
Tectum® Direct-Attach Pgs. 445-446	Wood Fiber Cementitious Fabric	1"	–	0.40	0.45	0.80 ●	0.85 ●	–	–	–	–	–	●	●	●	–
		1-1/2"	–	0.55	0.60 ●	0.90 ●	0.95 ●	–	–	–	–	–	●	●	●	–
		2"	–	0.60 ●	0.70 ●	0.95 ●	1.00 ●	–	–	–	–	–	●	●	●	–
Tectum® Finalé™ Pg. 447	Wood Fiber Cementitious Fabric	1"	–	0.85 ●	–	–	–	–	–	–	–	–	●	●	●	–
		1-1/2"	–	0.90 ●	–	–	–	–	–	–	–	–	●	●	●	–
		2"	–	1.00 ●	–	–	–	–	–	–	–	–	●	●	●	–
Tectum® Fabri-Tough® Pg. 448	Wood Fiber Cementitious Fabric	1"	–	0.50	0.60 ●	0.90 ●	0.85 ●	–	–	–	–	–	●	●	●	–
Tectum® Panel® Art Pg. 449	Wood Fiber Cementitious Fabric	1"	–	0.40	0.45	0.80 ●	0.85 ●	–	–	–	–	–	●	●	●	–
		1-1/2"	–	0.55	0.60 ●	0.90 ●	0.95 ●	–	–	–	–	–	●	●	●	–
		2"	–	0.60 ●	0.70 ●	0.95 ●	1.00 ●	–	–	–	–	–	●	●	●	–
Soundsoak® 60 Pg. 450	Mineral Fiber		Woven Fabric Composed Fabric	0.65	0.70 ●	–	–	43	45	●	●	●	●	●	●	●
Soundsoak 60 Pg. 450	Mineral Fiber		Vinyl	0.50	0.50	–	–	43	45	–	–	–	–	●	–	●
Soundsoak 85 Pg. 450	Fiberglass		Woven Fabric Composed Fabric	0.80 ●	0.90 ●	–	–	–	–	●	●	●	–	●	●	●
Soundsoak Custom 1" Pg. 451	1" Fiberglass		Woven Fabric	0.80 ●	0.80 ●	–	–	–	–	●	●	●	–	●	●	●
Soundsoak Custom 2" Pg. 451	2" Fiberglass		Woven Fabric	1.05 ●	1.10 ●	–	–	–	–	●	●	●	–	●	●	●
Optima™ Pg. 452	Fiberglass		DuraBrite™ Finish	0.80 ●	0.90 ●	–	–	–	–	●	●	–	–	●	●	●
Painted Nubby™ Pg. 452	Fiberglass		Woven Cloth	0.70 ●	0.80 ●	–	–	–	–	●	●	–	–	–	–	–
SoundScapes™ Shapes Pg. 452	Fiberglass		Scrim Finish	0.80 ●	0.90 ●	–	–	–	–	●	–	●	–	●	●	–
Custom Metal Pg. 463	Metal		Smooth Metal	Varies	Varies	–	–	–	–	●	●	●	●	●	●	●
WoodWorks® Standard & Custom Pgs. 453-454, 464	Wood		Smooth or Perforated Wood Veneer	0.45-0.80† ●	0.45-0.80† ●	–	–	–	–	●	●	●	●	●	●	●
WoodWorks® Ekos® Pgs. 457-458	Wood		Smooth or Perforated Wood Veneer	0.45	–	–	0.50	43	45	●	●	–	–	–	–	–

† With 1" fiberglass infill and fleece

RAL® is a registered trademark of RAL gGmbH

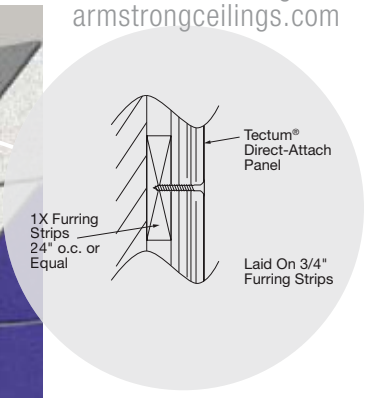
TECTUM® Direct-Attach

Acoustical Wall Panels
coarse texture

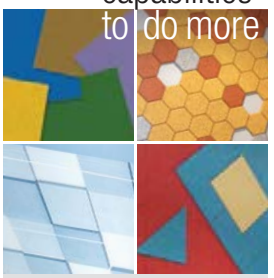


Tectum® Direct-Attach Wall Panels in White and custom colors

CAD/Revit® drawings at:
armstrongceilings.com



plus...
capabilities
to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Tectum® Direct-Attach wall panels provide durable, sustainable, acoustical options for a wide variety of applications.

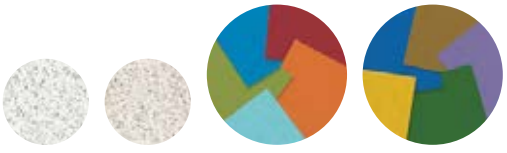
KEY SELECTION ATTRIBUTES

- Durable for heavy use interiors
- Great retrofit solution for noise reduction
- Excellent noise absorption – NRC up to 0.85 (1" panel)
- Tectum® panels are part of the Sustain™ portfolio and meet the most stringent sustainability compliance standards today
- Can be field painted up to 6 times without impacting acoustic or fire performance
- Wide variety of color options available, including made-to-order Colorations® colors and Sherwin-Williams® colors
- Can be mechanically fastened to a wide variety of surfaces including masonry, drywall, wood, and more

TYPICAL APPLICATIONS

- Gymnasiums
- Auditoriums
- Multi-purpose Spaces
- Exposed Structures
- Acoustical Retrofits
- Education Spaces

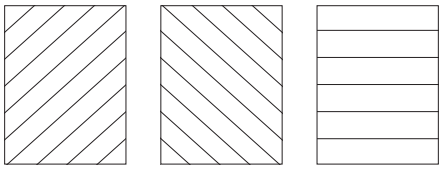
COLORS
Due to printing limitations, shade may vary from actual product.



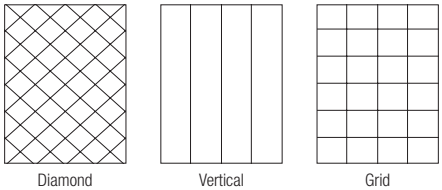
White (TWH) | Natural (TNA) | Made-to-order Colorations® Colors Available | Made-to-order Sherwin-Williams® Colors Available

Note: Colorations® colors and panels greater than 1" thick are not included in Sustain™ portfolio.

LINE DESIGN CAPABILITIES
Available through special order.

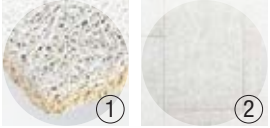


Diagonal Right Line-Design Panel | Diagonal Left Line-Design Panel | Horizontal Line-Design Panel



Diamond Line-Design Panel | Vertical Line-Design Panel | Grid Line-Design Panel

DETAILS



1. Tectum® Direct-Attach Panel in White
2. Tectum® Direct-Attach Panels in White

Note: Panel edges are unfinished.

TECTUM® Direct-Attach

Acoustical Wall Panels
coarse texture

Declare℠ Living Building Challenge Compliant

SUSTAIN™ High Performance Sustainable Ceiling Systems

FSC www.fsc.org FSC® C007626 The mark of responsible forestry (upon request)

For LEED contribution visit armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt; regional materials; design for flexibility; EPD; recyclable/extended producer resp.; biobased materials; FSC (for wood); recycled content; sourcing of raw materials; material ingredient reporting; low emitting/materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE SELECTION
Dots represent high level of performance.

ACOUSTICAL INFORMATION

Edge Profile	Item No. ◆	Dimensions Nominal W x L x H (Inches)	Fire Rating	Light Reflect	Anti-Mold & Mildew (BioBlock)	Sag Resist (Humi-Guard+)	Certified Low VOC Emissions	Wash (Durability)	Impact (Durability)	Scratch (Durability)	30-Yr Warranty	Panel Thickness	NRC	Mounting Method
TECTUM® Direct-Attach Wall Panels (FSC Certified Available Upon Request)														
Long Edges Beveled/ Short Edges Square	**8182T10_ _ _**	23-3/4" x 48 x 1"	Class A	Up to 0.75	•	•	•	•	•	•	•	1"	0.40	A
	8181T10_ _ _	23-3/4" x 96 x 1"	Class A	Up to 0.75	•	•	•	•	•	•	•		0.45	D-20
	8180T10_ _ _	47-3/4" x 96 x 1"	Class A	Up to 0.75	•	•	•	•	•	•	•		0.80	C-20
	Other Size Panels	W 23-3/4" – 48" L: 12" – 144" 1", 1-1/2", or 2" thickness	Class A	Up to 0.75	–	–	–	•	•	•	•		• 0.85 •	C-40

◆ When specifying or ordering, include the appropriate 3 digit color suffixes TNA = Natural TWH = White (e.g. 8182T10 T W H)
For four-sided beveled edge panels, special sizes and colors, call TechLine at 1 877 276-7876.

FSC®-certified panels available upon request

Four-sided beveled edge panels are recommended in adjoining panel installations

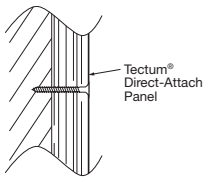
ACCESSORIES

Item No. ◆	Description	Quantity
8187L16_ _ _	#6 x1-5/8" Painted Head – Sharp point Screws	1000/ctn
8188L16_ _ _	#6 x1-5/8" Painted Head – Drill point Screws	1000/ctn
8189L22_ _ _	2-1/4" Painted Head – CMU Screws	500/ctn

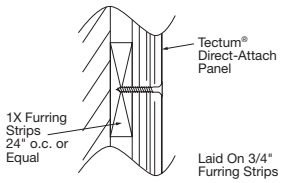
◆ When specifying or ordering, include the appropriate 3-digit color suffix TNA = Natural; TWH = White (e.g. 8187L16 T W H)
Consult installation instructions for fastener guidance.

ACOUSTICAL MOUNTING METHODS

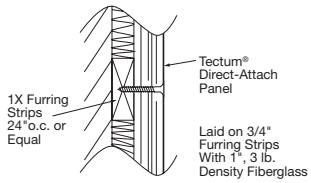
Mounting A



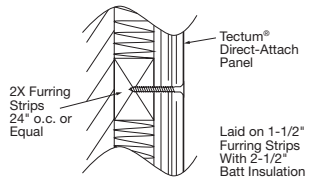
Mounting D-20



Mounting C-20



Mounting C-40



PHYSICAL DATA

Material
FSC Certified panels available upon request.
Cementitious Wood Fiber; FSC®-cerified (COC-003601). For more information about FSC®-certified fire-retardant products, or to view our FSC®-certification letter, contact TechLine at 1 877 276 7876.

Surface Finish
Factory-applied latex paint with Silicate surface coating for abuse resistance. Natural is unpainted.

Fire Performance
Class A per IBC. Flame Spread Index 25 or less and Smoke Developed Index 50 or less when tested in accordance with ASTM E84.

CAN/ULC S102 surface burning characteristics. Flame Spread Index of 25 or less and Smoke Developed Index of 50 or less (painted, face only).

VOC Emissions
Third-party certified compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol.

Tectum® panels meet CDPH guidelines in enclosed office wall applications at 50% coverage. View certificate details at armstrongceilings.com/tectum.

Humidity/Sag Resistance
HumiGuard® Plus panels are recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Mold/Mildew Protection
Ceiling panels with BioBlock® performance resist the growth of mold and mildew.

Installation Considerations
Panels must be mechanically attached to approved substrate per installation instructions. To achieve proper finished visual panels should be installed in an ashlar pattern. Four-sided beveled edge panels are recommended in adjoining panel installations.

Use caution and wear appropriate hand, eye, and dust mask protection when cutting and installing Tectum® panels. Refer to installation instructions for complete details and cutting recommendations.

Primary (Embodied) Energy
See all LCA information on our EPDs.

Application Considerations
Color variation among panels is common due to the natural characteristics of the wood on White and Natural panels.

Wood fibers may appear orange on Natural colored panels due to the characteristics of the wood.

Design Considerations
For walls that may experience condensation or moisture, such as uninsulated exterior walls, D- or C- mounting is required to create a gap between the structure and the panel.

Specification Consideration
FSC Certified panels available upon request.
Attention: For FSC®-certified wood products to maintain their CoC certification, products must be sold to a CoC-certified distributor or directly to the installing contractor. Failure to do so breaks the CoC.

Seismic Restraint
Tectum® Direct Attach panels are approved for application in all seismic areas when installed per Armstrong Ceilings Installation Instructions.

Warranty
30-Year Warranty. Details at armstrongceilings.com

Weight, Pcs and SF/Pallet
1" – 1.65 lbs/SF
8180T10 – 36 pcs/pallet; 1,152 SF/pallet
8181T10 – 72 pcs/pallet; 1,152 SF/pallet
8182T10 – 72 pcs/pallet; 572 SF/pallet

TechLine / 1 877 276 7876
armstrongceilings.com/tectum

BPCS-5716-817

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Armstrong® CEILING & WALL SOLUTIONS

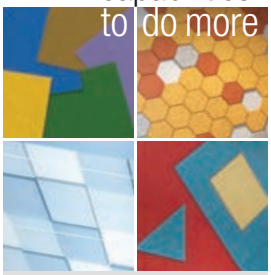
TECTUM® Finale™

Acoustical Custom Wall Panels
coarse texture



Tectum® Finale™ Wall Panels

plus... capabilities to do more



armstrongceilings.com/capabilities

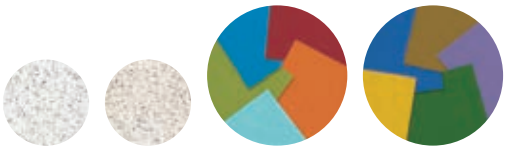
See more photos at:
armstrongceilings.com/photogallery

Tectum® Finale™ high NRC wall panels provide durable, sustainable, acoustical options for a wide variety of applications.

KEY SELECTION ATTRIBUTES

- Composite panel design combines Tectum® panel and acoustical absorptive material in one for maximum sound control and effiencient installation
- Excellent Noise Absorption NRC up to 1.0 for maximum sound absorption (1" panels)
- Panel sizes in 1", 1-1/2", and 2" thickness; widths: 23-3/4" to 47-3/4"; lengths: 48" to 144"
- Available in White, Natural, and made-to-order Colorations® Colors and Sherwin-Williams® Colors
- Abuse resistant for active spaces
- Long edges beveled, square ends
- Can be mechanically fastened to a wide variety of surfaces including masonry, drywall, wood, and more

COLORS Due to printing limitations, shade may vary from actual product.



White (TWH) | Natural (TNA) | Made-to-order Colorations® Colors Available | Made-to-order Sherwin-Williams® Colors Available

DETAILS



Sherwin-Williams® is a registered trademark of the Sherwin-Williams Company
Revit® is a registered trademark of Autodesk, Inc.
LEED® is a registered trademark of the U.S. Green Building Council

Armstrong® CEILING & WALL SOLUTIONS

TECTUM® Fabric Walls

Acoustical Custom Wall Panels



Tectum® Fabric Walls

plus... capabilities to do more



armstrongceilings.com/capabilities

See more photos at:
armstrongceilings.com/photogallery

Tectum® Fabric Walls help control noise and are ideal in open-plan, mixed use spaces.

KEY SELECTION ATTRIBUTES

- Abuse-resistant, fabric wrapped panels attach directly to walls
- Excellent Noise Absoption – NRC up to 0.90
- Panel sizes in 1" or 1-1/2" thickness; widths: 23-3/4" to 47-3/4"; lengths: 48" to 120"
- Tackable panels can be used for bulletin/ display boards
- Mounting is quick and easy using internal spline system
- Long lasting, durable fabric options available
- Fabric wrapped to kerf, edges unfinished

FABRICS



Custom Fabric Options Available

Sherwin-Williams® is a registered trademark of the Sherwin-Williams Company

TECTUM® Panel Art

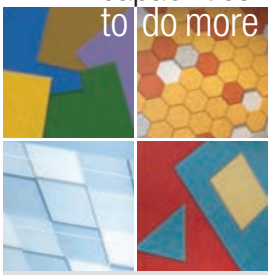
Custom Wall Panels

coarse texture



Tectum® Panel Art Wall Panels

plus... capabilities to do more



armstrongceilings.com/capabilities

See more photos at: armstrongceilings.com/photogallery

Tectum® Panel Art wall panels offer unlimited design flexibility and easy installation.

KEY SELECTION ATTRIBUTES

- Eight shapes and custom options available
- Choose from 1", 1.5", and 2" panel thickness: create your own custom shapes from panels up to 48" x 48"
- Noise absorption – NRC 0.40 (1" panel)
- Available in White, Natural, and made-to-order Colorations® colors and Sherwin-Williams® colors
- Abuse resistant for active spaces
- All panels have beveled edges
- Can be mechanically fastened to a wide variety of surfaces including masonry, drywall, wood, and more

COLORS

Due to printing limitations, shade may vary from actual product.



White (TWH) | Natural (TNA) | Made-to-order Colorations® Colors Available | Made-to-order Sherwin-Williams® Colors Available

SHAPES

Examples of custom options



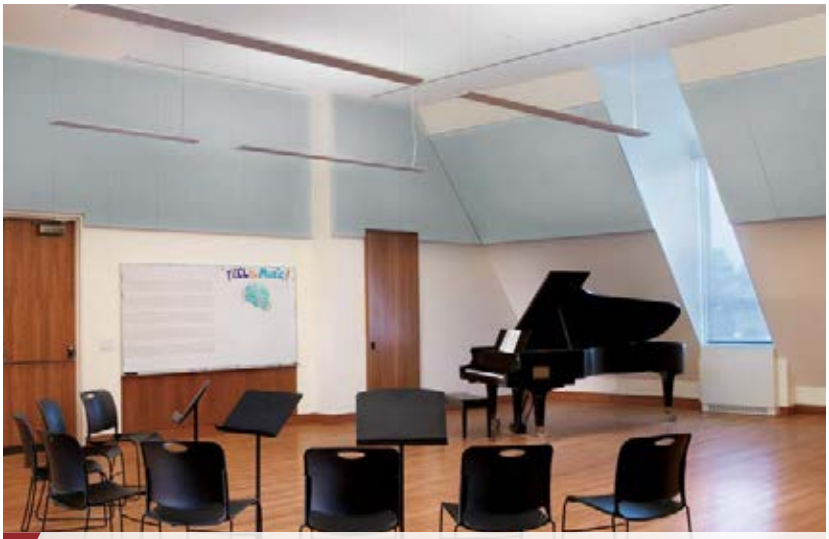
Square	Rectangle	Hexagon	Circle	16" Triangle	8" Triangle	Right Parallelogram	Left Parallelogram
.631 lb/pc	1.4 lb/pc	.575 lb/pc	.475 lb/pc	1.425 lb/pc	.375 lb/pc	.700 lb/pc	.700 lb/pc
Width: 8"	Width: 8"	Width: 7.5"	8" Diameter	Width: 16"	Width: 8"	Width: 8"	Width: 8"
Length: 8"	Length: 16"	Length: 8-11⁄16"		Length: 16"	Length: 8"	Length: 16"	Length: 16"

Sherwin-Williams® is a registered trademark of the Sherwin-Williams Company

Armstrong® CEILING & WALL SOLUTIONS

SOUNDSOAK®

Standard and Custom Acoustical Wall Systems



Soundsoak® Wall System 24" x 72" panels in FR-701® Eucalyptus fabric

Easy-to-install wall system, available in a variety of fabric and vinyl colors, and a wide range of sizes and custom options.

KEY SELECTION ATTRIBUTES – STANDARD

- Available in two substrates
- Acoustical Wall System with an inner core absorbs 50-90% of sound striking surface
- 3 to 6 times the sound absorption of fabric-covered gypsum
- Wide variety of chair rail accessories for design and durability
- Coordinate finishes for Soundsoak Baffles (Pg. 65)
- Full standard finish offering at armstrongceilings.com/soundsoak

KEY SELECTION ATTRIBUTES – CUSTOM

- Custom fiberglass panels up to 48" wide and 120" high on 1/2" – 4" fiberglass, in 1/2" increments
- Tackable options including 5/8" thick mineral fiber panels that will sit flush with door frames – perfect for offices and corporate environments
- Variety of impact resistant acoustical wall panels available for high-traffic and high-abuse areas
- Convex and concave curved panels in up to 48" x 120" sizes

STANDARD FABRICS

FR-701® (FR)

Blue Neutral (BN), Black (BL), Blue Papier (BR), Straw (ST), Terra (TR), Ultramarine (UM), Blue Plum (BE), Wheat (WE)

Cherry Neutral (CN), Crystal Blue (CB), Eucalyptus (EU), Silver Neutral (SN), Blue Spruce (BS), Grey Mix (GM), Leaf (LE), Opal (OP)

Bone (BO), Deep Burgundy (DB), Violet (VI), Quartz (QZ), Silver Papier (SP), Cement Mix (CM)

Fabrics are dye-lotted and should be segregated by dye lot. Do not mix.

COMPOSED FABRIC SURFACE

Colors are available in both Rhythms® and Tempos™ but are only shown in one.

Tempos™ (TS)

Blue Mauve (BMB), Charcoal (CLB), Desert Sand (DSB), Mist (MIB), Oatmeal (OAB), Pearl Grey (PGB)

Rhythms® (RH)

Blue Mauve (BMB), Mist (MIB), Pearl Grey (PGB)

WOVEN FABRIC SURFACE

Lido™ (LD)

Bryce Canyon (BC), Balboa (BA), Hermosa (HE), Oak Bluffs (OB)

Anchorage™ (AN)

Angora (AG), Vanilla (VN), Goose (GS), Birch (BR)

Metallation™ (MT)

Chrome (CH), Polished Pewter (PP), Stainless (ST), Stove Pipe (SP), Welded Steel (WS)

Spinel™ (SP)

Opal (OP), Sandstone (SS)

VINYL SURFACE

Mineral Fiber Substrate only.

Signature (SV)

Concrete (CCA), Sand (SAA)

Colored fabrics are dye-lotted and should be segregated by dye lot. Do not mix.

NOTE: Standard SoundSoak® panel item numbers include references to size, fabric, and substrate. Consult your price list or contact TechLine for assistance with identifying item numbers.

73% MINERAL FIBER 52% FIBERGLASS RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt; regional materials ✓; design for flexibility ✓; EPD; recyclable/ extended producer resp.; biobased materials; recycled content ✓; sourcing of raw materials ✓; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

▲ LOCATION DEPENDENT

SOUNDSOAK®

Standard and Custom Acoustical Wall Systems

VISUAL SELECTION

For Soundsoak corners, chair rails, and moldings, see Pgs. 461-462.

Product	Item No. ◆	Substrate	Finish	Dimensions: Panel Width	Dimensions: Panel Height	Dimensions: Panel Thickness	Surface Type*
Soundsoak 60	**40_ _0_ _ _ _**	Mineral Fiber	Woven Fabric Composed Fabric	30"	72", 96", 108", 120" (06) (08) (09) (10)	3/4"	W: FR, AN, MT, LD, SP C: RH, TS
Soundsoak 85	**32_ _1_ _ _ _**	Fiberglass	Woven Fabric Composed Fabric	24"	72", 96", 108", 120" (06) (08) (09) (10)	1"	W: FR, AN, MT, LD, SP, RH C: RH, TS

PERFORMANCE

Dots represent high level of performance.

Product	NRC Rating A Mount NRC	NRC Rating D Mount NRC	STC Rating† 1 Side	STC Rating† 2 Sides
Soundsoak 60	0.65	0.70 •	43	45
Soundsoak 85	0.80 •	0.90 •	–	–

* FR-701® (FR), Lido™ (LD), Spinel™ (SP), Metallation™ (MT), Anchorage™ (AN), Tempos™ (TS),Rhythms® (RH), Signature Vinyl (SV)

◆ When specifying or ordering, add panel height, surface type, and color.

† 3-5/8" metal studs with one layer of 5/8" drywall on both sides and Soundsoak 60 on one or both sides.

EXAMPLES:

40 08 0 FR BN
- 40 — Panel Type: SS 60 Woven
- 08 — Panel Height: 08 Ft.
- 0 — Surface Type: FR-701
- FR — Surface Type: FR-701
- BN — Color: Blue Neutral

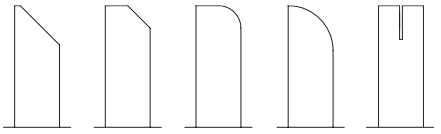
32 10 1 RH BMB
- 32 — Panel Type: SS 85
- 10 — Panel Height: 10 Ft.
- 1 — Surface Type: Rhythms
- RH — Surface Type: Rhythms
- BMB — Color: Blue Mauve



Custom Soundsoak® Walls in Soundsoak 85 Custom Fabric, Benton Event Center, Benton, AR

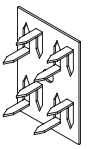
EDGE DETAILS

Fabric-wrapped edge profile options on custom panels include: square, beveled, mitered and radiused edges.

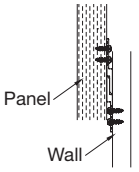


FLEXIBLE INSTALLATION

- Impaling Clips
- Z-clips
- Adhesive



Impaling Clip



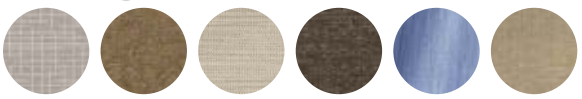
Z-clips

CUSTOM FABRICS (PARTIAL LIST)

Due to printing limitations, shade may vary from actual product.

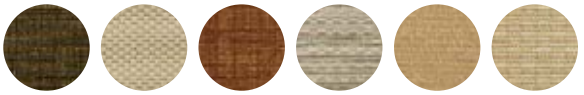
NOTE: Custom Soundsoak is also available in all standard woven Soundsoak fabrics. Choose from a large selection of panel fabrics and vinyls from manufacturers like: Guilford of Maine, Hytex, Carnegie, Koroseal, Maharam, Knoll, Designtex.

Carnegie



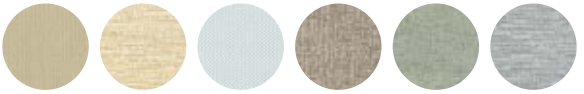
Align | Damask Emboss | Flux | Nexus | Porto | Strie

HYTEX®



Barrista | Cayenne | Lava | Wisteria | Aspen Gold | Nevada Sand

DESIGN TEX



Canvas | Clew | Cut to Chase | Foxtrot | Pick Up Sticks | Plateau

ACOUSTICAL PERFORMANCE

Dots represent high level of performance.

Fiberglass Thickness	NRC*
3/4"	0.70 •
1"	0.80 •
1-1/8"**†	0.85 •
1-1/2"	0.95 •
2"	1.05 •
2-1/8"**†	0.95 •
3"	1.15 •

* Acoustical performance may vary depending on the fabric used.

** 2"- and 3"- thick panels are designed to reduce noise and reverberation in spaces, especially those exposed to exterior transportation noise or interior equipment and appliance noise.

† Fiberglass with 1/8" MFG for impact resistance

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PHYSICAL DATA

Fire Performance
Tested to ASTM E84 – 25/200
Tested to CAN/ULC SIO2 – 25/250 Composite
Class A rating per IBC (fabric, substrate, and adhesive)

For more details on Soundsoak fire performance, visit our web site at armstrongceilings.com/soundsoak

Warranty
Details at armstrongceilings.com

TechLine / 1 877 276 7876
armstrongceilings.com/soundsoak
(search: soundsoak walls)
BPCS-5096-817

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Armstrong® CEILING & WALL SOLUTIONS

OPTIMA™ & PAINTED NUBBY™

Wall Panels

UP TO 71% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management ✓, construction waste mgmt ✓, regional materials ✓, design for flexibility ✓, EPD ✓, recyclable/extended producer resp. ✓, biobased materials ✓, recycled content ✓, sourcing of raw materials ✓, material ingredient reporting ✓, low emitting/materials ✓, lighting quality ✓, acoustics ✓

▲ LOCATION DEPENDENT



Painted Nubby™ Acoustical Wall Panels

Wall panels with a bright surface that provide excellent sound absorption.

KEY SELECTION ATTRIBUTES

Optima

- Durability
  - Washable
  - Scratch-resistant
  - Soil-resistant
- Smooth surface

Painted Nubby

- Bright surface

COLOR

White

VISUAL SELECTION

Substrate	Finish	Item No.	Dimensions (Inches)
OPTIMA™			
Fiberglass	DuraBrite®	**3154**	48 x 96 x 1"
PAINTED NUBBY			
Fiberglass	Woven Cloth	**3104**	48 x 96 x 1"

PERFORMANCE

Dots represent high level of performance.

NRC Rating	A Mounting	D-20 Mounting
	NRC	NRC
OPTIMA™		
3154	0.80 •	0.90 •
PAINTED NUBBY		
3104	0.70 •	0.80 •

For performance and physical data, see pgs. 287-290, 299-300.

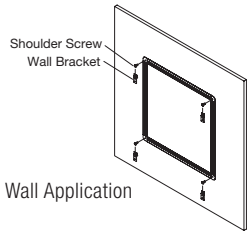
INSTALLATION ACCESSORIES

Description	Item No.	Dimensions (Inches)	Color
C CHANNEL			
Extruded PVC Plastic	**3107**	1 x 96 x 1"	White
H CHANNEL			
Extruded PVC Plastic	**3108**	1-5/8 x 96 x 1"	White

A Mounting – Mounting directly against existing surface D-20 Mounting – Mounting spaced 3/4" from existing surface using 1" x 4" furring strips

SOUNDSCAPES™ SHAPES

Wall Panels



Wall Application

For more information, see pgs. 95-98 or visit armstrongceilings.com/shapes



SoundScapes™ Shapes wall panels 5440 and 5448 in Tangerine – upper wall and ceiling; Soundsoak® Custom Wall Panels in coordinating fabric – lower wall

KEY SELECTION ATTRIBUTES

- 10 shape options
- Coordinate with Armstrong® ceilings or other interior finishes, including SoundScapes® Blades™ and Shapes, Infusions® lay-in panels, walls, and partitions, or Create!™ ceilings.
- Quick and easy to install directly to wall

COLORATIONS™ COLORS

Due to printing limitations, shade may vary from actual product.

White (WH), Shell (SH), Pale Lemon (LM), Pecan (PC), Sky (SK), Moss (MS)

Stone (SE), Reef (RE), Lagoon (LA), Plum (PM)

Cranberry (CN), Kiwi (KW), Tangerine (TG), Black (BK)

Made-to-order Sherwin-Williams® Colors Available

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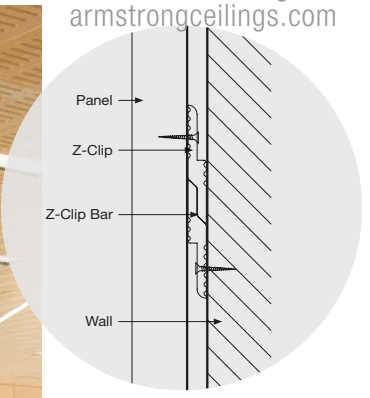
WOODWORKS®

Standard Wall Panels

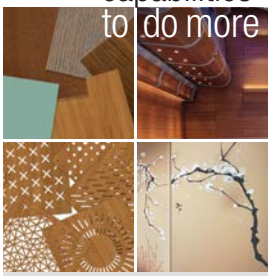


WoodWorks® wall panels 24" x 48" on Z-Clips and WoodWorks® Vector® ceiling panels 24" x 48" with custom perforation (running parallel to the short side of the panel) in custom Vertical Grain Douglas Fir

CAD/Revit® drawings at:
armstrongceilings.com



plus...
capabilities
to do more



armstrongceilings.com/capabilities
See more photos at:
armstrongceilings.com/photogallery

Wall system available in a variety of wood species, stains, sizes, and perforation options.

KEY SELECTION ATTRIBUTES

- Coordinate veneer choice with WoodWorks® ceilings
- Install panels horizontally or vertically using clips or splines
- Perforated panel with acoustical backing improves sound quality and reduces reverberation time within a space
- USDA-Certified Biobased Product 100% (preferred for government projects)

VENEERS

Due to printing limitations, shade may vary from actual product.

Natural Variations™
(Real Wood Veneers)



Maple (NMP) | Light Cherry (NLC) | Dark Cherry (NDC)



Walnut (NWN) | Oak (NOK) | Walnut Espresso (NWE)

Constants™
(Real Wood Veneers)



Maple (CMA) | Cherry (CCY) | Walnut (CWA) | Redux Wood Wheat (CRW)

Bamboo* (Veneer is Rapidly Renewable)



Patina (BAP) | Native (BAN)



Custom Veneers Available

* Veneer is rapidly renewable. Bamboo is a grass that only requires 3-7 years for maturity and does not have to be replanted after each harvest.

PERFORATION OPTIONS

(Actual 1:6 scale shown)



W1 (Unperforated) | W2 – Rg 6006 (Round Straight) | W3 – Rd 6006 (Round Diagonal) | W4 – Rg 6011 (Round Straight) | W5 – Lg 9512 (Oval Straight Slotted) | W6 – Lg 9508 (Oval Straight Slotted) | Custom Perforations Available

NOTE: Slotted perforations run parallel to the length of the panel.

Armstrong® CEILING & WALL SOLUTIONS

WOODWORKS®

Standard Wall Panels

USDA CERTIFIED BIOBASED PRODUCT
PRODUCT 88%

FSC www.fsc.org FSC® C007626
The mark of responsible forestry

92% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED® energy management | construction waste mgmt ✓ | regional materials ✓ | design for flexibility ✓ | EPD | recyclable/ extended producer resp. ✓ | biobased materials ✓ | FSC (for wood) ✓ | recycled content ✓ | sourcing of raw materials ✓ | material ingredient reporting ✓ | low emitting/ materials | lighting quality | acoustics ✓

▲ LOCATION DEPENDENT

VISUAL SELECTION

Item No. ◆	Dimensions Nominal W x L x H (Inches) Custom Sizes Available	Perforation Options	Installation Options	Finish Options
FSC® certified WOODWORKS® Wall Panels with Acoustical Fleece				
5814 _ _ _ _ _ _	23-3/4 x 47-3/4 x 3/4"	W1, W2, W3, W4, W5, W6	X (Z-Clip installation) K (Spline installation – 4 panel sides kerfed)	NMP, NLC, NDC, BAP, BAN
5818 _ _ _ _ _ _	23-3/4 x 95-3/4 x 3/4"	W1, W2, W3, W4, W5, W6	X (Z-Clip installation) K (Spline installation – 4 panel sides kerfed)	NMP, NLC, NDC, BAP, BAN
5819 _ _ _ _ _ _	23-3/4 x 107-3/4 x 3/4"	W1, W2, W3, W4, W5, W6	X (Z-Clip installation) K (Spline installation – 4 panel sides kerfed)	NMP, NLC, NDC, BAP, BAN
5820 _ _ _ _ _ _	23-3/4 x 119-3/4 x 3/4"	W1, W2, W3, W4, W5, W6	X (Z-Clip installation) K (Spline installation – 4 panel sides kerfed)	NMP, NLC, NDC, BAP, BAN

◆ When specifying or ordering, include the appropriate perforation, installation, and finish suffixes. (e.g., 5814 W 1 K N M P)
NOTE: For veneers and sizes available as special order, call TechLine at 1 877 276-7876.

ACOUSTICAL INFORMATION

Dots represent high level of performance.

Perforation	NRC Rating: D Mounting w/ Acoustical Fleece	NRC Rating: D Mounting w/ 1" Fiberglass Infill* NRC
W1	N/A	N/A
W2	0.50	0.65
W3	0.50	0.65
W4	0.55	0.80 ●
W5	0.45	0.70 ●
W6	0.45	0.60

* Fiberglass Infill Panel Item 8200100

WoodWorks Walls perforations align with the following ceiling panels:

Perforation	WoodWorks® Vector®	WoodWorks Concealed
W2	yes	yes
W3	yes	yes
W4	yes	no
W5	yes	no
W6	yes	no

EXAMPLE: **5814 W1 K NMP**

Panel Dimensions: 24" x 48" panel | Perforation: Unperforated | Installation: Spline installation | Finish: Natural Variations™ Maple

ACCESSORIES

For corners, splines, Z-Clips, and infill panel options, see pages 461-462.

PHYSICAL DATA

Material
FSC® certified fire retardant particle board with face-cut veneers (SW-COC-003601). For more information about FSC-certified products, or to view our FSC certification letter, visit armstrongceilings.com/woodworksfsc

Surface Finish
Clear or tinted semigloss coating

Fire Performance
Class A ASTM E84 surface burning characteristics, HPVA Certified with audit program per ASTM E84. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

Application Considerations
Variation among panels may occur due to the natural characteristics of the wood and grain (special order panels available).

It is very important that WoodWorks® panels are climatized prior to installation. Relative humidity between 25% and 55% and temperatures between 50˚F and 86˚F must be maintained throughout the life of the product.

Design Considerations
The reveal width on WoodWorks Tegular panels and WoodWorks Walls is different. For an application with the same size reveal in the ceiling and on the wall, order custom-cut panels or use Vector® ceiling panels Z-clipped to the wall.

Specification Consideration
Attention: For FSC-certified wood products to maintain their CoC certification, products must be sold to a CoC-certified distributor or directly to the installing contractor. Failure to do so breaks the CoC.

Warranty
Details at armstrongceilings.com

Weight; Square Feet/Carton
Panels – 2.75 lbs/SF; bulk packaged per order.

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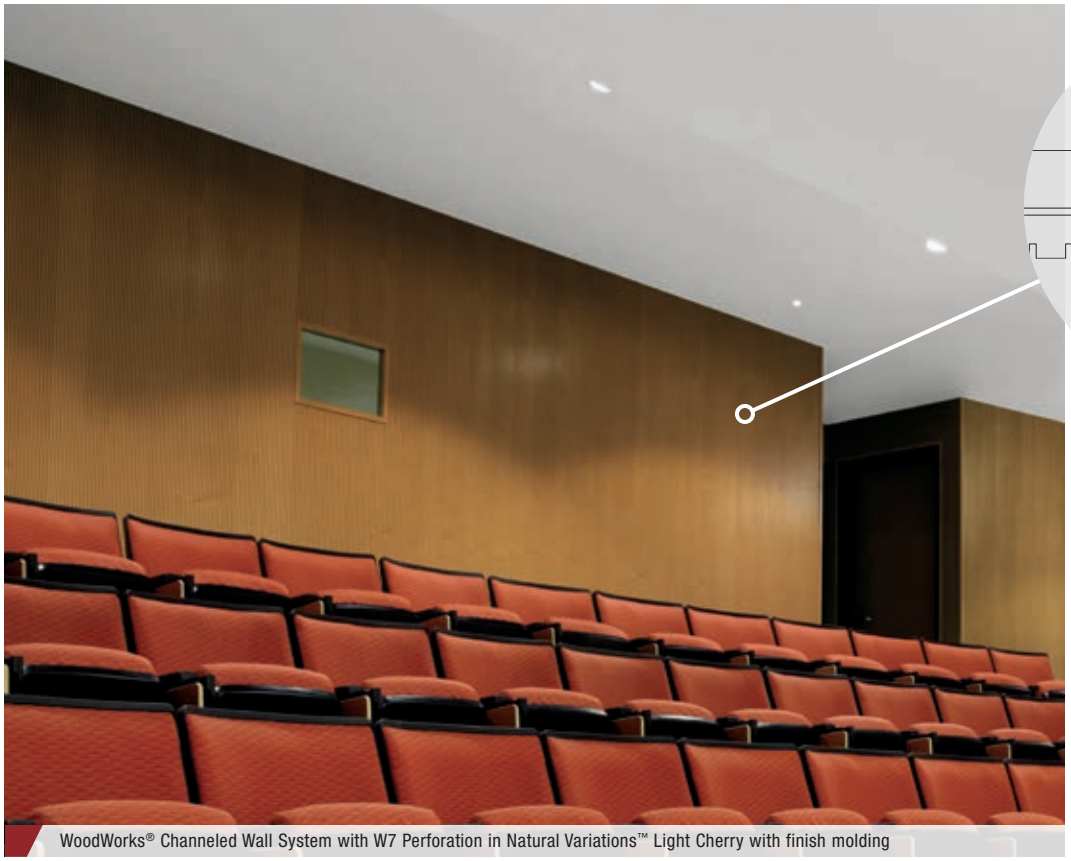
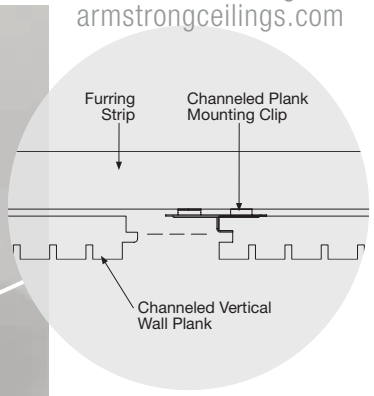
WOODWORKS® Channeled

Standard Wall Plank

CAD/Revit® drawings at:
armstrongceilings.com





WoodWorks® Channeled Wall System with W7 Perforation in Natural Variations™ Light Cherry with finish molding



See more photos at:
armstrongceilings.com/photogallery
SEARCH: woodworks channeled

Perforated wall panels with acoustical backing that improves sound quality and reduces reverberation time.

KEY SELECTION ATTRIBUTES

- Install in the ceiling, on the wall, or create 90º angled ceiling-to-wall transitions
- Two plank lengths available as standard products
- California Air Resources Board (CARB) compliant
- USDA-Certified Biobased Product 100% (preferred for government projects)
- Shorter lead times and lower cost than custom millwork

VENEERS

Due to printing limitations, shade may vary from actual product.

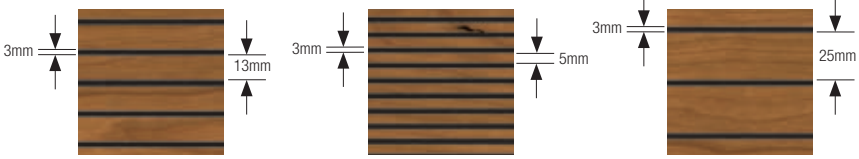
Natural Variations™ (Real Wood Veneers)



Maple (NMP) | Light Cherry (NLC) | Dark Cherry (NDC) | Custom Veneers Available

VENEER PERFORATION OPTIONS

(Actual 1:2 scale shown)



W7 (13mm profile with 3mm groove) | W8 (5mm profile with 3mm groove) | W9 (25mm profile with 3mm groove)

IMAGES™ FINISHES

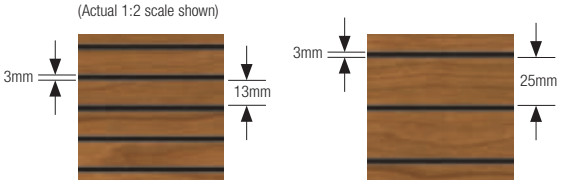
(High Quality Printed Finishes)



Maple (PMP) | Light Cherry (PLC) | Dark Cherry (PDC)

IMAGES PERFORATION OPTIONS

(Actual 1:2 scale shown)



W7 (13mm profile with 3mm groove) | W9 (25mm profile with 3mm groove)

Armstrong® CEILING & WALL SOLUTIONS

WOODWORKS® Channeled
Standard Wall Plank

USDA CERTIFIED BIOBASED PRODUCT PRODUCT 88%

FSC www.fsc.org FSC® C007626 The mark of responsible forestry

*Images™ products are not FSC or Rainforest Alliance Certified

UP TO 92% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®

energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	FSC (for wood)	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
		✓	✓	✓		✓	✓	✓	✓		✓		✓

▲ LOCATION DEPENDENT

VISUAL SELECTION – IMAGES™ FINISHES

PERFORMANCE Dots represent high level of performance.

Edge Profile	Item No. ◆	Dimensions Nominal W x L x H (Inches) Custom Sizes Available		Acoustics NRC	Fire Rating
WOODWORKS® Natural Variations™ FSC® certified Channeled Wall Plank Perforated with Acoustical Fleece					
Tongue and Groove 	**5900WW7** _ _ _	5.553 x 96 x 3/4"		0.50, 0.70†† •	Class A
	5900WW8 _ _ _	5.553 x 96 x 3/4"		0.55, 0.90† •	Class A
	5900WW9 _ _ _**	5.553 x 96 x 3/4"		0.50, 0.75† •	Class A
	5901WW7 _ _ _	5.553 x 120 x 3/4"		0.50, 0.70†† •	Class A
	5901WW8 _ _ _	5.553 x 120 x 3/4"		0.55, 0.90† •	Class A
	5901WW9 _ _ _**	5.553 x 120 x 3/4"		0.50, 0.75† •	Class A
WOODWORKS Images Channeled Plank Perforated with Acoustical Fleece					
Tongue and Groove 	**6688WW7**___	5.553 x 96 x 0.688"		0.50, 0.70†† •	Class A
	6688WW9___**	5.553 x 96 x 0.688"		0.50, 0.75† •	Class A
	6689WW7___	5.553 x 120 x 0.688"		0.50, 0.70†† •	Class A
	6689WW9___**	5.553 x 120 x 0.688"		0.50, 0.75† •	Class A

◆ When specifying or ordering, include the appropriate 3-letter color suffix (e.g., 5900WW7 N M P)

† NRC 0.75 or 0.90 when installed with bioacoustic infill 5479.

†† NRC 0.50 or 0.70 when installed with fiberglass infill 8200100 .
NOTE: For sizes available as special order, call TechLine at 1 877 276-7876.

** Size width for panels with W9 perforation is 5.393".

ACCESSORIES

For corners, clips, and infill panel options, see pages 429-430.

PHYSICAL DATA – Natural Variations

Material
FSC® certified fire retardant medium density fiberboard with face-cut veneers (SW-COC-003601). For more information about FSC-certified products or to view our FSC certification letter, visit armstrongceilings.com/woodworksfsc

Surface Finish
Clear or tinted semigloss coating

Fire Performance
ASTM E84 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.
CAN/ULC S102 surface burning characteristics. Flame Spread Rating 25 or less. Smoke Developed Classification 50 or less.

Application Considerations
Variation among panels may occur due to the natural characteristics of the wood and grain.

It is very important that WoodWorks® panels are climatized prior to installation. Relative humidity between 25% and 55% and temperatures between 50˚F and 86˚F must be maintained throughout the life of the product.

Specification Consideration
Attention: For FSC-certified wood products to maintain their CoC certification, products must be sold to a CoC-certified distributor or directly to the installing contractor. Failure to do so breaks the CoC.

Warranty
Details at armstrongceilings.com

Weight; Square Feet
2.2 lbs/SF (Bulk packed)

PHYSICAL DATA – Images Finishes

Material
Fire retardant medium density fiberboard with high quality printed visual.

Surface Finish
Clear semigloss coating

Fire Performance
ASTM E84 surface burning characteristics. Flame Spread Index 25 or less. Smoke Developed Index 50 or less.

ASTM E1264 Classification
Composite – Fire Class A

Application Considerations
Images finishes feature a high-definition print finish. A pattern repeat will occur approximately every 30".

It is very important that WoodWorks panels are climatized prior to installation. Relative humidity between 25% and 55%, and temperatures between 50˚F and 86˚F must be maintained throughout the life of the product.

Warranty
Details at armstrongceilings.com

Panel Weight; Square Feet/Carton
2.2 lbs/SF (Bulk packed)

TechLine / 1 877 276-7876
armstrongceilings.com/walls
(search: woodworks)
BPCS-5099-517

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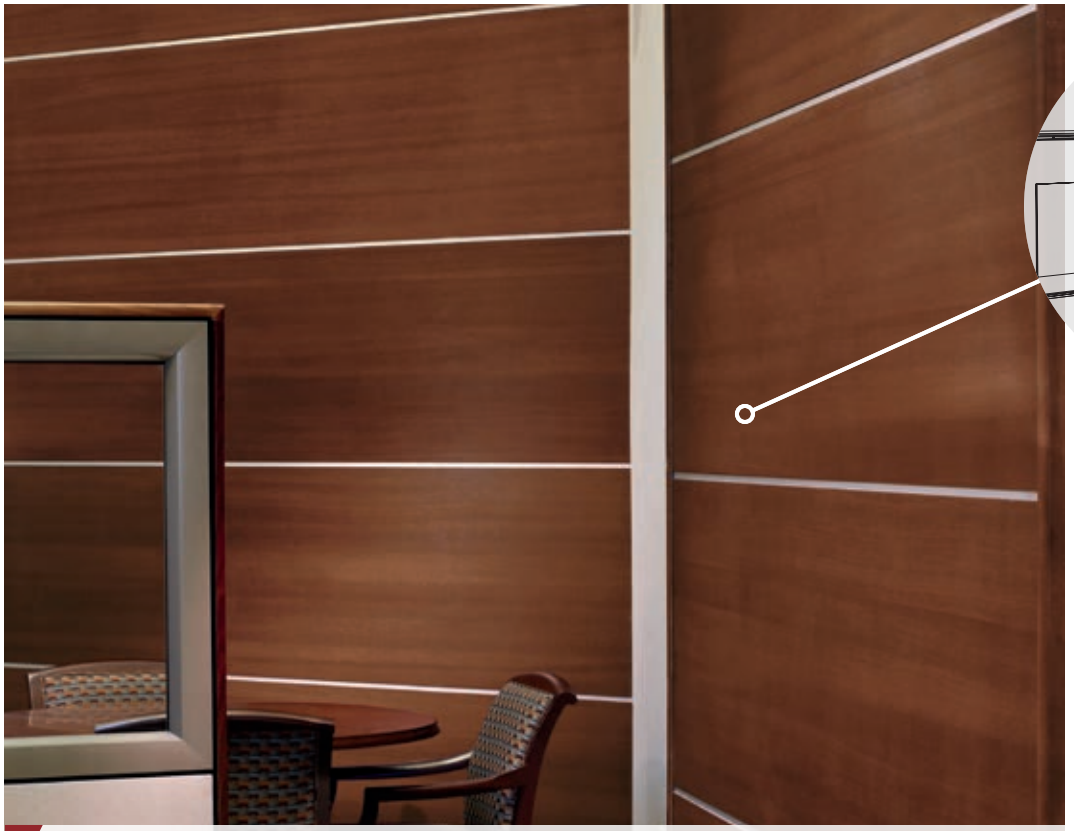
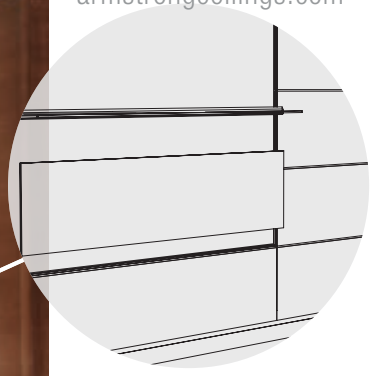
WOODWORKS® Ekos®

Standard Wall Panels

CAD/Revit® drawings at:
armstrongceilings.com





WoodWorks® Ekos® Acoustical Wall System in Ekos Dark Cherry perforated with reveal accent trim in Natural Aluminum



See more photos at:
armstrong.com/photogallery
SEARCH: ekos

Standard wall panels in a variety of veneers with no detectable VOC emissions.

KEY SELECTION ATTRIBUTES

- Panels can be installed horizontally or vertically
- Can help contribute to LEED® credits with no added formaldehyde and high-recycled content
- Less expensive and easier to install than custom millwork

VENEERS

Due to printing limitations, shade may vary from actual product.



Ekos Maple (MP) | Ekos Light Cherry (LC) | Ekos Dark Cherry (DC) | Ekos Mahogany (HG)

PERFORATION OPTIONS (Actual 1:1 scale shown)



Type: Unperforated | Type: Round-Staggered

Ekos Perforation
Hole Size: 0.4mm [.015"]
% Open Area: 5.7%

WOODWORKS® Ekos®

Standard Wall Panels

73% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®

energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	FSC (for wood)	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
		✓	✓		✓	✓	✓	✓	✓				✓

▲ LOCATION DEPENDENT

VISUAL SELECTION

PERFORMANCE

Item No. ◆	Description	Dimensions (Inches)	Pcs/Ctn	Ekos Finishes	Acoustics NRC Rating A (Mounting)	Acoustics NRC Rating D (Mounting)	Acoustics STC Rating* 1 side	Acoustics STC Rating* 2 sides	VOC Formaldehyde	Recycling Program
Unperforated Panels										
5800_ _ _	8' Ekos Wall Panel Unperforated	96 x 24 x 5/8"	2 or 4	MP, LC, DC, or HG	N/A	N/A	43	46	No added	Yes
5801_ _ _	9' Ekos Wall Panel Unperforated	108 x 24 x 5/8"	2 or 4	MP, LC, DC, or HG	N/A	N/A	43	46	No added	Yes
5802_ _ _	Nominal 10' Ekos Wall Panel Unperforated	118 x 24 x 5/8"	2 or 4	MP, LC, DC, or HG	N/A	N/A	43	46	No added	Yes
Perforated Panels										
5803_ _ _	8' Ekos Wall Panel Perforated	96 x 24 x 5/8"	2 or 4	MP, LC, DC, or HG	0.45	0.50	43	46	No added	Yes
5804_ _ _	9' Ekos Wall Panel Perforated	108 x 24 x 5/8"	2 or 4	MP, LC, DC, or HG	0.45	0.50	43	46	No added	Yes
5805_ _ _	Nominal 10' Ekos Wall Panel Perforated	118 x 24 x 5/8"	2 or 4	MP, LC, DC, or HG	0.45	0.50	43	46	No added	Yes
Unperforated Horizontal Panels										
5970_ _ _	8' Ekos Horizontal Wall Panel Unperforated	96 x 24 x 5/8"	2 or 4	MP, LC, DC, or HG	N/A	N/A	43	46	No added	Yes
5971_ _ _	9' Ekos Horizontal Wall Panel Unperforated	108 x 24 x 5/8"	2 or 4	MP, LC, DC, or HG	N/A	N/A	43	46	No added	Yes
5972_ _ _	Nominal 10' Ekos Horizontal Wall Panel Unperforated	118 x 24 x 5/8"	2 or 4	MP, LC, DC, or HG	N/A	N/A	43	46	No added	Yes
Perforated Horizontal Panels										
5973_ _ _	8' Ekos Horizontal Wall Panel Perforated	96 x 24 x 5/8"	2 or 4	MP, LC, DC, or HG	0.45	0.50	43	46	No added	Yes
5974_ _ _	9' Ekos Horizontal Wall Panel Perforated	108 x 24 x 5/8"	2 or 4	MP, LC, DC, or HG	0.45	0.50	43	46	No added	Yes
5975_ _ _	Nominal 10' Ekos Horizontal Wall Panel Perforated	118 x 24 x 5/8"	2 or 4	MP, LC, DC, or HG	0.45	0.50	43	46	No added	Yes

◆ When specifying or ordering, please include pieces/carton and color suffix. EXAMPLE: 5805 4 H G – for nominal 10' perforated panels in Ekos Mahogany finish.
* See wall construction in physical data below for test wall construction.

ACCESSORIES

For installation splines, corners, chair rails, etc., see pages 461-462 in catalog, Woodworks Ekos Brochure, or armstrongceilings.com/ekos

PHYSICAL DATA

Panel Material
Mineral fiber with real wood veneers. Face veneers are quarter-cut, random-matched Anigre or Makore veneers stained to the Ekos® finishes.

Panel Surface Finish
Tinted, no-solvent coatings on face veneers.

Accessory Material
Milled solid wood stained to coordinate with Ekos finishes. Extruded aluminum.

Wall Construction
Wall construction is one layer 5/8" drywall each side of 3-5/8" metal stud, with Ekos panels attached on one or both sides.

Fire Performance
Class B fire performance per IBC. Flame Spread Rating of 50 or less and Smoke Developed Classification of 100 or less when tested per ASTM E84 or CAN/ULC S102.

Application Considerations
Due to the natural characteristics of veneers, variations in color and grain can be expected. Do not mix panels from different lots. Veneered panels may also darken over time.

It is very important that WoodWorks® Ekos panels are climatized prior to installation. Relative humidity between 25% and 55% and temperatures between 50°F and 86°F must be maintained.

Ekos wall panels are not recommended for use in high-traffic or high-impact areas. For these areas, contact TechLine at 1 877 276-7876 to explore WoodWorks custom wall systems.

Ekos wall panels may be installed horizontally. For more details, see armstrongceilings.com/walls.

Warranty
Details at armstrongceilings.com

Weight/Square Feet
1.6 lbs/SF

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INFUSIONS™
Partitions

40% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®	energy management	construction waste mgmt	regional materials	design for flexibility	EPD	recyclable/ extended producer resp.	biobased materials	recycled content	sourcing of raw materials	material ingredient reporting	low emitting/ materials	lighting quality	acoustics
			✓	✓				✓	✓				

▲ LOCATION DEPENDENT



Infusions™ Partition in Spun Copper

Wall partitions in a variety of translucent colors and patterns.

KEY SELECTION ATTRIBUTES

- Coordinate with Armstrong ceilings or other interior finishes including Infusions Walls, Lay-in Panels, and Canopies, SoundScapes® Blades™ and Shapes, or Create!™ ceilings.
- Standard products create a custom look
- Hang individually or in groups
- Panels and installation hardware packaged in one complete kit
- For Infusions panels, see pages 207-210.
  For Infusions® Blades™, see page 55.
  For Infusions® Shapes, see page 84.
  For Infusions® Canopies, see page 85.
  For Infusions™ Walls, see page 460.

For more information, visit armstrongceilings.com/infusions.

COLORS/PATTERNS

Due to printing limitations, shade may vary from actual producrt

Solids – SoundScapes® Coordinating Colors



Refined Kiwi (TRK) | Refined Reef (TRR) | Refined Lagoon (TRL) | Refined Plum (TRP) | Refined Tangerine (TRT) | Refined Cranberry (TRC) | Refined Black (TRB)

Patterns – Goldtones



Honey Canvas (THC) | Spun Copper (TSC) | Linen Gold (TLG) | Crushed Copper (TCC) | Orange Arbor (TOA)

VISUAL SELECTION

Item No. ◆	Dimensions (Inches)	Color
INFUSIONS™ Partitions		
5845_ _ _	24 x 72 x 1/4"	See above

◆ When specifying or ordering, include the appropriate 3-letter color suffix (e.g., 5845 T R K.)
NOTE: Ceiling Hanging Kit and Floor Mounting Kit hardware included with panels.
Joining Kits must be ordered separately.

ACCESSORIES

	Item No.	Description	Color	Pcs/Ctn
	**5827**	Joining Kit	Silver	3 Clamps

PHYSICAL DATA

Material
PETG

Surface Finish
Smooth

Fire Performance
Infusions® panels have been tested according to NFPA 286 and are equivalent to Class A Interior Finish as defined by the International Building Code.

Contact TechLine at 1 877 ARMSTRONG for specific U.S. and Canadian fire performance data.

Installation and Design Considerations
Do not allow panel edges to get wet. Infusions panels are not approved for exterior application.

Panel kits include ceiling hanging kit and floor mounting kit hardware. Floor mounting hardware is optional, but recommended. Floor mounting hardware requires field drilling pilot holes in panels.

Linking kits must be ordered separately.

Panels can be damaged by exposure to high temperatures. Panel temperature should not be permitted to exceed 100°F.

Warranty
Details at armstrongceilings.com

Weight; Pieces/Carton
Panel weight – 25 lbs
2 pieces/carton
Carton weight – 55 lbs

TechLine / 1 877 276-7876
armstrongceilings.com/infusions
(search: infusions partitions)
BPCS-4235-517

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Armstrong® CEILING & WALL SOLUTIONS

INFUSIONS™

Walls

40% RECYCLED CONTENT

Calculate LEED contribution at armstrongceilings.com/greengenie

LEED®: energy management; construction waste mgmt; regional materials; design for flexibility; EPD; recyclable/ extended producer resp.; biobased materials; recycled content ✔; sourcing of raw materials; material ingredient reporting; low emitting/ materials; lighting quality; acoustics

▲ LOCATION DEPENDENT



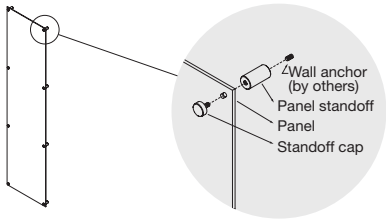
Infusions™ Walls 24" x 96" in Spun Copper

Wall System available in translucent colors and patterns that can be hung individually or in a group.

KEY SELECTION ATTRIBUTES

- Coordinate with Armstrong ceilings or other interior finishes; i.e., Infusions® Partitions, Lay-in Panels, and Canopies, SoundScapes® Blades™ and Shapes, or Create!™ ceilings
- Factory-drilled to accept Point Support hardware kit
- Aluminum Point Support Kit offers contemporary sleek visual
- For Infusions panels, see pages 207-210.
  For Infusions® Blades™, see page 55.
  For Infusions® Shapes, see page 84.
  For Infusions® Canopies, see page 85.
  For Infusions™ Partitions, see page 459.

For more information, visit armstrongceilings.com/infusions.



COLORS/PATTERNS (Partial List)

Due to printing limitations, shade may vary from actual product.

Goldtones



Honey Canvas (THC)



Spun Copper (TSC)



Crushed Copper (TCC)

Linen



Linen Gold (TLG)



Natural Linen (TNL)†



Blue Linen (TBL)†

Crystallines



Crystalline Silverado (TSV)



Crystalline Focus (TCR)



Crystalline Sky (TSY)

Tones-on-tones



Indigo Surf (TNS)

Arbors



Clear Arbor (TCA)



Orange Arbor (TOA)

† Color may vary panel to panel.

COLORS/SOLIDS

Due to printing limitations, shade may vary from actual product.

Solids



Cultured Pearl (TCP)



Inspiration Ice (TNC)



Calm Water (TCW)



Natural Faith (TNF)



Loyalty Latte (TLL)



Caribbean Renewal (TAR)



Sage Happiness (TSH)



Budding Creativity (TBD)



Tranquility Teal (TTT)



Peace Blue (TPB)



Sheer Iris (TSI)



Blueberry Bliss (TBB)



Saffron Energy (TSE)



Sedona Spirit (TSS)



Red Fire (TRF)

SoundScapes® Coordinating Colors



Refined Kiwi (TRK)



Refined Reef (TRR)



Refined Lagoon (TRL)



Refined Plum (TRP)



Refined Tangerine (TRT)



Refined Black (TRB)

VISUAL SELECTION

Item No. ◆	Dimensions (Inches)	Colors	Pcs./Pck.
INFUSIONS™ Walls			
5824_ _ _	24 x 96 x 1/4"	See above	2

◆ When specifying or ordering, include the appropriate 3-letter color suffix (e.g., 5824 T C P.)
NOTE: Panel kit does not include hardware. Infusions™ Wall panel hardware kit must be ordered separately.

ACCESSORIES

Item No.	Description	Colors	Pcs./Ctn.
5848	Infusions Wall Panel Hardware Kit	Aluminum	16 Point Supports

NOTE: Wall Anchor not provided in kit. Point Support includes panel standoff and standoff cap.

PHYSICAL DATA

Material
PETG

Surface Finish
Smooth

Fire Performance
Infusions™ panels have been tested according to NFPA 286 and are equivalent to Class A Interior Finish as defined by the International Building Code.

Contact TechLine at 1 877 276-7876 for specific US and Canadian fire performance data.

Installation and Design Considerations
Do not allow panel edges to get wet.

Infusions panels are not approved for exterior application.

Natural Linen and Blue Linen colors may vary panel to panel.

Wall anchor hardware is provided by others. A minimum gap of 1/4" is required between panels. Panels are pre-drilled for Point Supports.

Panels can be damaged by exposure to high temperatures. Panel temperature should not be permitted to exceed 100°F. There is potential for limited deflection of panels.

Warranty
Details at armstrongceilings.com

Weight; Pieces/Pack
Panel weight – 27 lbs
2 pieces/pack (Bulk packed)

TechLine / 1 877 276 7876
armstrongceilings.com/walls
(search: infusions walls)
BPCS-5102-617

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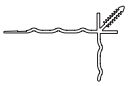
Armstrong® CEILING & WALL SOLUTIONS

WOODWORKS® WALLS FAMILY – Accessories

ACCESSORIES – WOODWORKS® STANDARD WALL PANELS AND CHANNELED STANDARD WALL PLANK

	Item No. ◆	Description	Dimensions (Inches)	Color/Finish	Pcs/Ctn
	5855 _ _ _	4" Base Molding	100"	NMP, NLC, NDC, BAP, BAN, MP, LC, DC, HG	Bulk
	**5856** _ _ _	6" Base Molding	100"	NMP, NLC, NDC, BAP, BAN, MP, LC, DC, HG	Bulk
	**5857** _ _ _ _ _	Finish Molding (direct-applied)	100" [08], 112" [09], or 122" [10]	DC, HG, LC, DC	Bulk
	**5907** _ _ _ _ _	1.875" Finish Molding (with furring strips)	100" [08], 112" [09], or 122" [10]	NMP, NLC, NDC, BAP, BAN	Bulk
	**5867** _ _ _ _ _	Inside Corner Molding	100" [08], 112" [09], or 122" [10]	NMP, NLC, NDC, BAP, BAN	Bulk
	**5851** _ _ _ _ _	Peak Corner (Solid Wood)	96" [08], 108" [09], or 118" [10]	MP, HG, LC, DC	Bulk
	**5852** _ _ _ _ _	Bullnose Corner (Solid Wood)	96" [08], 108" [09], or 118" [10]	MP, HG, LC, DC	Bulk
	**5859** _ _ _	Corner Installation Spline (Concealed)	96" [08], 108" [09], or 118" [10]	Plastic (X) or Aluminum (Y)	Bulk

ACCESSORIES – WOODWORKS STANDARD WALL PANELS ONLY

Installation	Item No.	Description	Lengths (Inches)	Color/Finish	Material	Pcs/Ctn
	**663910**_ _	Wall Installation Spline (aluminum)	120"	Black (BL), Natural Anodized (NA)	Aluminum	1
	6408	Edge Banding for Wall Spline (PVC)	300"	See colors on page 421	–	1
	5672	Z-clip	2"	Aluminum	–	250
	5673	Z-clip Bar	72"	Aluminum	–	20

When specifying or ordering, include the appropriate finish suffixes.

ACCESSORIES – CHANNELED STANDARD WALL PLANK ONLY

	Item No.	Description	Dimensions	Color	Pcs/Ctn
	**5389**	Channeled Clip	N/A	Black	250

INFILL PANELS

Item No.	Description	Dimensions	Color	Pcs/Ctn
5479	BioAcoustic™ Infill Panel	24 x 24 x 5/8"	Beige - Matte	12
8200100	1" Fiberglass Infill Panel	24 x 24 x 1"	Black - Gloss	12

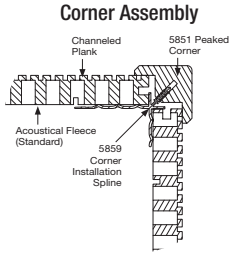
◆ When specifying or ordering base molding or spline, include the appropriate 2- or 3-letter color suffix (e.g., 585508 N M P) When specifying or ordering other accessories, include the appropriate length suffix and finish/material suffixes. EXAMPLES: 5867 0 9 N D C – 9' Inside Corner Molding in Natural Variations™ Dark Cherry; 5859 0 9 X – 9' Corner Installation Spline in Plastic

COLORS

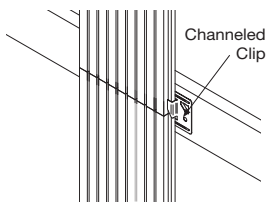
NV Maple (NMP)
NV Light Cherry (NLC)
NV Dark Cherry (NDC)
Bamboo Patina (BAP)
Bamboo Native (BAN)
Ekos Maple (MP)
Ekos Light Cherry (LC)
Ekos Dark Cherry (DC)
Ekos Mahogany (HG)

INSTALLATION DETAILS

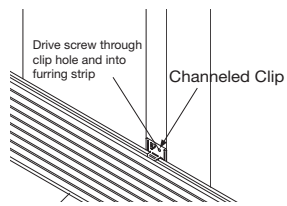
Channeled Wall Plank and Corner Assembly



Vertical Wall Plank Installation with Channeled Clip



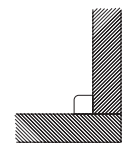
Horizontal Wall Plank Installation with Channeled Clip



6" WoodWorks® Base Molding



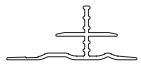
WoodWorks Inside Corner



Armstrong® CEILING & WALL SOLUTIONS

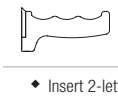
SOUNDSOAK® & WOODWORKS® EKOS® WALLS FAMILY – Accessories

ACCESSORIES – WOODWORKS® EKOS® WALL PANELS ONLY

	Item No. ◆	Description	Lengths	Finishes	Material
	**5850A**_ _ _ _	Peak Accent Trim	96", 108", 120" (08) (09) (10)	MP, LC, DC, HG	Solid Wood
	**5850B**_ _ _ _	Bullnose Accent Trim	96", 108", 120" (08) (09) (10)	MP, LC, DC, HG	Solid Wood
	**5850C**_ _ _ _	Reverse Bead Accent Trim	96", 108", 120" (08) (09) (10)	MP, LC, DC, HG	Solid Wood
	**5850D**_ _ _ _	Bead Accent Trim	96", 108", 120" (08) (09) (10)	MP, LC, DC, HG	Solid Wood
	**5850J**_ _ _ _	Cap Accent Trim	96", 108", 120" (08) (09) (10)	NA (Natural Anodized) BL (Black Anodized)	Aluminum
	**5850K**_ _ _ _	Reveal Accent Trim	96", 108", 120" (08) (09) (10)	NA (Natural Anodized) BL (Black Anodized)	Aluminum
	**5858[##][M]** **5858**_ _ _	Wall Installation Spline (concealed)	96", 108", 120" (08) (09) (10)	Plastic (X) or Aluminum (Y)	Plastic or Aluminum
	**5860**_ _ **X**	Wall Bead Installation Spline†	96", 108", 120" (08) (09) (10)	Black Plastic	Plastic

† This accessory should be used when Decorative Accent Trims are not selected.
NOTE: When a decorative accent trim is selected, you must also choose a wall installation spline.
◆ When specifying or ordering, insert the appropriate length suffix and finish suffix. EXAMPLE: 5850A 0 8 M P 96" peak accent trim in Maple.

CHAIR RAIL ACCESSORIES – SOUNDSOAK™ STANDARD AND WOODWORKS® EKOS® WALL PANELS

	Item No. ◆	Description	Lengths	Colors	Substrate
	**5861**_ _	Mounting Rail	100"	MP, LC, DC, HG, XX	Solid Wood
	5862_ _	Rail Spacer for Soundsoak 85	100"	XX	Solid Wood
	5863_ _	Rail Insert	100"	MP, LC, DC, HG, BL, XX	Solid Wood
	5963NA	Rail Insert – Aluminum Finish	96"	Natural Anodized (NA)	Solid Wood and Aluminum
	**5864**_ _	Rail Cap	100"	MP, LC, DC, HG, XX	Solid Wood
	**5865**_ _	Extended Rail Cap for Soundsoak 85	100"	MP, LC, DC, HG, XX	Solid Wood
	**5866**_ _	Easel Ledge	100"	MP, LC, DC, HG, XX	Solid Wood

◆ Insert 2-letter color suffix when specifying or ordering. EXAMPLE: 5861 H G – Mounting Rail in Mahogany
NOTE: Unfinished wood can be field-painted.

CHAIR RAIL ACCESSORY COLORS



ACCESSORIES – SOUNDSOAK STANDARD ONLY

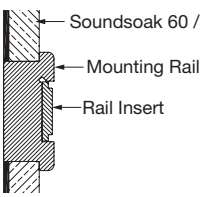
	Item No. ◆	Description	Lengths	Finishes
	**3856**_ _ _ _	Impact Corner	120"	See page 311
	**4062**_ _*	1" J-Molding	120"	BL, GW, FG, LT, SA
	**4064**_ _*	3/4" J-Molding	120"	BL, GW, FG, LT, SA
	**4065A**	3/4" Low-Profile J-Molding	120"	BL

◆ Insert 4-letter color suffix using surface type and color suffixes from page 311. EXAMPLE: 3856 L D O B – Impact Corner Lido™ Oak Bluffs
* Insert 2-letter color suffix. EXAMPLE: 4062 B L – 1" J-Molding in Black

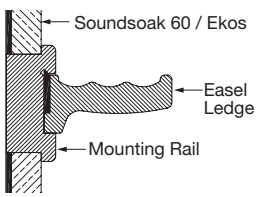
J-MOLDING COLORS



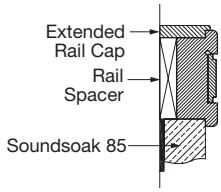
INSTALLATION DETAILS



Soundsoak 60 panel with Chair Rail – Mounting with Rail Insert



Soundsoak 60 panel with Chair Rail – Mounting Rail with Easel Ledge (field-painted)



Soundsoak 85 panel with Chair Rail – Mounting Rail with Rail Insert, Extended Rail Cap and Rail Spacer

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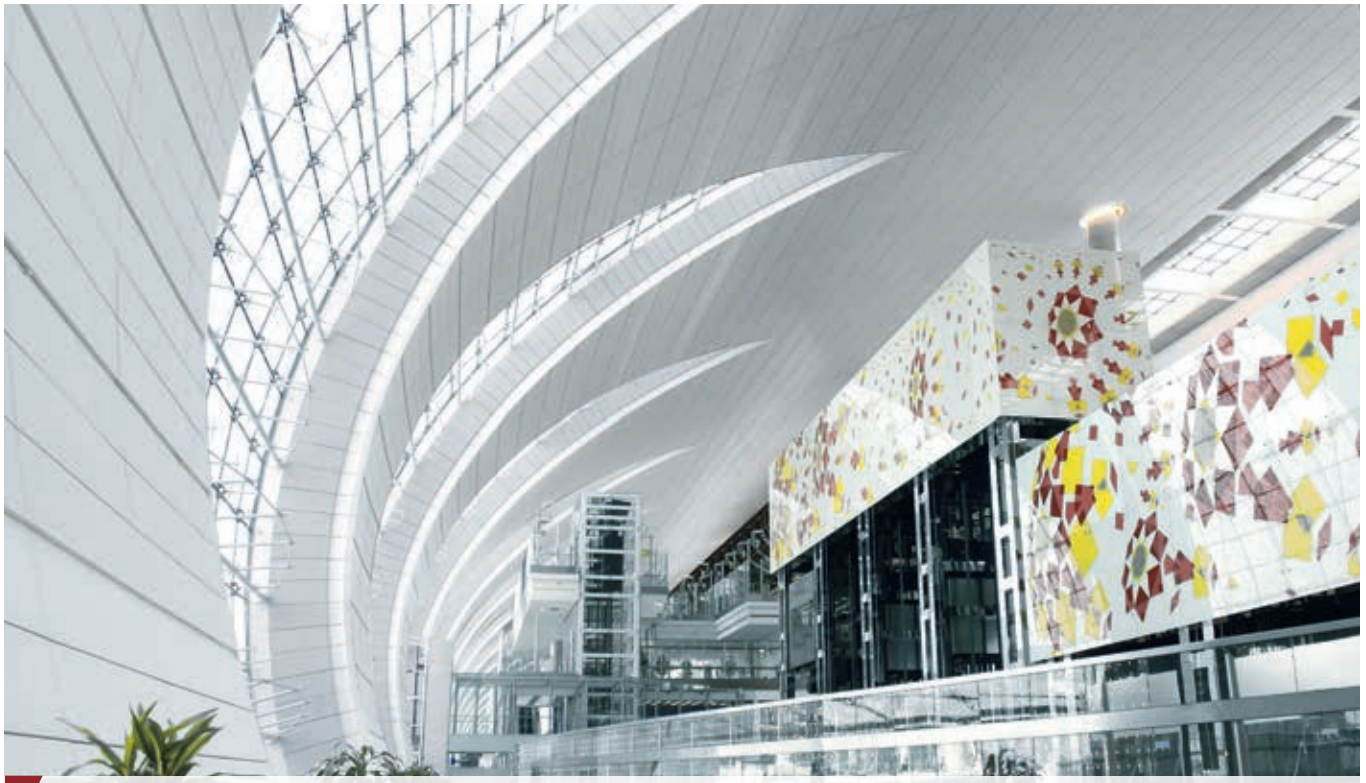
solutions center
helping to bring your one-of-a-kind ideas to life



MetalWorks™ Torsion Spring Custom in custom colors

KEY SELECTION ATTRIBUTES

- Custom colors and perforations available
- Durable – Washable, Scrubbable, Soil-resistant
- Coordinate with MetalWorks™ ceilings
- Perforated panel with acoustical backing improves sound quality and reduces noise within a space



Custom Metal Walls in RAL® 9010, unperforated

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Armstrong® CEILING & WALL SOLUTIONS

you inspire™
solutions center
helping to bring your one-of-a-kind ideas to life



WoodWorks® Channeled Custom Walls in Light Cherry

KEY SELECTION ATTRIBUTES

- Custom finishes and perforations available
- FSC® certified options available
- Coordinate with WoodWorks® ceilings
- Perforated panel with acoustical backing improves sound quality and reduces noise within a space



WoodWorks Custom Ceiling System unperforated in custom Red Oak

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ARMSTRONG® CEILINGS & WALLS GREENPRINT

Our Sustainability Commitment

Armstrong® Products, LEED® Contributions, Performance



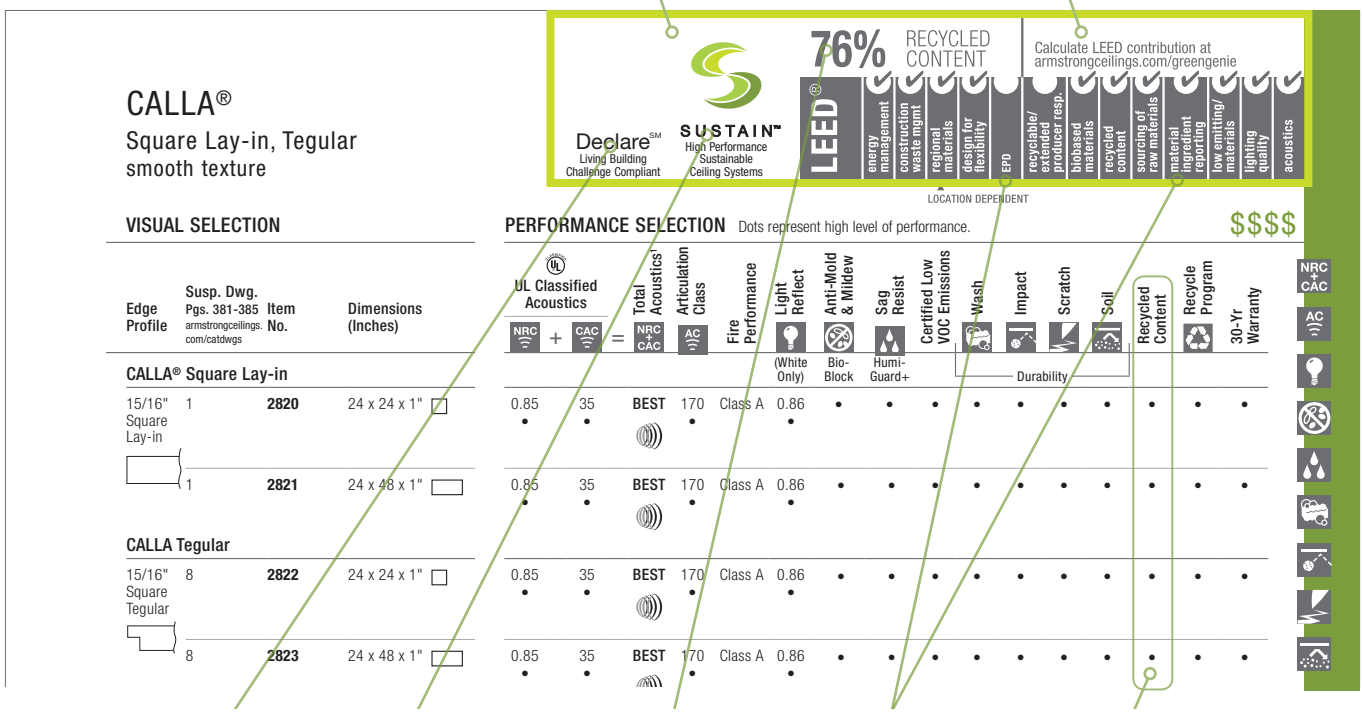
Visit armstrong.com/corporate/sustainability
to learn more about our sustainability commitment

Armstrong® Ceiling and Wall Systems provide reliable performance and contributions to LEED® as well as a range of inspiring design choices.

In this Catalog and Online

All sustainability information is in this field.

On individual product pages, you'll see a LEED® summary. This box is a quick review of which credits this family of products may contribute to. Visit the Green Genie™ tool online for specific product details.



Declare℠ label disclosing product ingedients is available for this family.

Sustain™ This product family meets the most stringent sustainability standards in the industry. See details, Pgs. 346-347.

Recycled content range. Calculate for specific items using our GreenGenie online calculator.

Environmental & Health Product Declaration availability noted here.

Most Armstrong® product families offer high recycled content choices (greater than 50% total recycled content).

LEED Contribution Calculator

Green Genie LEED Online Calculator and Documentation

greengenie™
armstrong.com/greengenie
Powered by EcoScoreCard

Our online LEED® calculator helps you to research, calculate, and document which Armstrong® Ceiling and Wall Systems products best meet the environmental criteria needed for your project. Access the tool 24/7 and get the LEED® information and documentation you need for the design or submittal process.

- Calculate Sustainabilty Contributions (recycled content, FSC®, recyclability)
- Regional Materials eligibility
- LEED® Submittal Letter
- Revit® models from Armstrong Ceilings to be integrated with qualifying criteria for LEED® point calculations, powered by EcoScoreCard.

RESOURCES


Sustain™ Brochure (PDF)



View Environmental Product Declerations


View Armstrong Product Declerations



View Declare℠ Labels



Use LEED Caculator



Use Recycling Savings Calculator

MORE ONLINE TOOLS:
See our Recycling/Diversion Savings Calculator and Environmental Impact Calculator descriptions, page 357.

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FSC® is a registered trademark of FSC Forest Stewardship Council, A.C., license code FSC-C007626



Material Transparency

Clean + Simple = Sustain™

(Free of chemicals of concern per Living Building Challenge™ Red List)

(Easy to find)

(Meet today's most stringent industry sustainability standards with the Sustain Portfolio)

Our Sustain™ portfolio is the first and only portfolio of products that meet the highest sustainability standards in the industry.

Sustain™ ceiling systems contribute to better spaces. Here's how:

- Contribute to LEED® V4 (including new Materials and Resources credits)
- Have Health Product Declarations (HPDs) which tell you what's in the products
- Are free of Red List chemicals per Living Building Challenge™ 3.0 (including no added formaldehyde)
- Have Declare℠ labels – easy reference "nutrition labels"
- Meet California Department of Public Health (CDPH) low-emissions standards
- Have Environmental Product Declarations (EPDs) which tell you the impact of the products
- Contribute to Living Building Challenge℠
- Contribute to WELL Building Standard™

Armstrong® Sustain™ Portfolio

Mineral Fiber/Fiberglass Panels – over 200 items

Calla®

Lyra® PB
Plant-based Binder

Lyra® PB High CAC
Plant-based Binder



Optima® PB
Plant-based Binder

Optima® PB Health Zone™



Ultima®

Ultima® Health Zone™



Cirrus®



Canyon®

Tectum® Panels

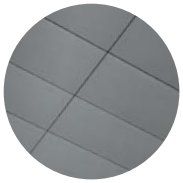


Tectum®

MetalWorks™ Panels – over 150 items



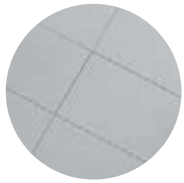
MetalWorks™
Blades™



MetalWorks™
Clip-on



MetalWorks™
3D



MetalWorks™
Torsion Spring



MetalWorks™
Snap-in



Whitelume (WHA)

Silverlume (SIA)

Gun Metal (MYA)

Unperforated (M1) MetalWorks™ finishes included in the Sustain™ Portfolio

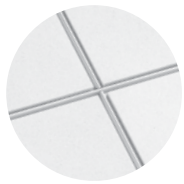
Suspension Systems – over 180 items



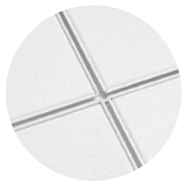
Prelude® XL®
Prelude® XL MAX®



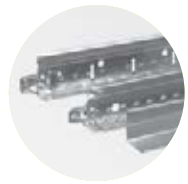
Suprafine® XL®



Interlude® XL®



Silhouette® XL®



Drywall Grid Systems
ShortSpan® Drywall Framing System and QuikStix™ Drywall Grid System for Soffits



White (WH)

Blizzard White (ZW)

Silver Grey (SG)

Gun Metal Grey (MY)

Drywall Grid Systems not available in colors

Trim & Transitions – over 285 items



Axiom®
Classic, Vector, Profiled, Knife Edge®, Interlude®, Soft Edge, Paired



Axiom®
Transitions, Moldings & Column Rings, Glazing Channel



Axiom®
Shade Pockets



Axiom®
Direct & Indirect Light Coves



White (WH)

Blizzard White (ZW)

Silver Grey (SG)

Gun Metal Grey (MY)

It's simple to find and specifiy sustainable ceiling systems; just look for the Sustain icon.



Material Transparency

Credit	LEED® Credit	Points	Armstrong® Ceilings Contribution
MR BD&C MR ID&C	**Building Life Cycle Reduction** **Interiors Life Cycle Impact Reduction**	BD&C – 3 ID&C – 1-3	ARMSTRONG® PRODUCT EPDs **BD&C, Option 4:** Use Armstrong third party-certified Product EPD or Embodied Energy (EE) for Whole Building LCA Calculations. ARMSTRONG® High Recycled Content (CEILING-2-CEILING™) PRODUCTS **ID&C, Option 1 – Reuse of nonstructural elements:** Specify Armstrong® Ceiling-2-Ceiilng™ products – new ceilings made of reclaimed ceilings that are returned to our recycling program with a high level of post-consumer recycled content.
MR BD&C MR ID&C	**Building Disclosure and Optimization – Environmental Product Declaration**	BD&C – 1 ID&C – 1-2	ARMSTRONG® PRODUCT EPDs **BD&C, Option 1:** Use Armstrong type III Product EPDs.
MR BD&C MR ID&C	**Building Disclosure and Optimization – Material Ingredients**	BD&C – 1-2 ID&C – 1-2	ARMSTRONG® HEALTH PRODUCT DECLARATIONS & DECLARE℠ **BD&C, Option 1:** Material Ingredient Reporting: Health Product Declarations and Declare℠ labels qualify for Manufacturer Inventory (1 Pt). All Sustain™ Products contribute to this credit.



Environmental Product Declarations (EPD)

We're committed to helping you reduce the environmental impact of the buildings you create… from product design and raw material selection, to how products are made and delivered. Now, we have Environmental Product Declarations for all major product families, including a view of the total ceiling system.

An Environmental Product Declaration (EPD) reports on the environmental impacts of our products in the areas of energy, carbon, water, and other categories from our product Life Cycle Assessments (LCA).



Health Product Declarations (HPD)

Armstrong® Ceilings and Walls is committed to providing busy architects, designers, and end users with the ingredient data they are seeking so that they can make wiser choices about healthy materials. An Health Product Declaration™ (HPD) is a standard format for reporting product ingredients and associated health information.

The HPD objectively provides the critical information needed to support accurate supply chain disclosure and informed decisions by building designers, specifiers, owners, and users. The Health Product Declaration™ format was developed by the Health Product Declaration Collaborative™ which is composed of product manufacturers and building experts. Armstrong® Ceilings is actively involved in the Health Product Declaration Collaborative.

Armstrong Ceilings is the first and only ceilings manufacturer committed to Declare.

Declare is a 'nutrition-label' developed by International Living Future Institute for manufactured products used in indoor environments. The Declare label provides a clear, informative method to disclose product ingredients.



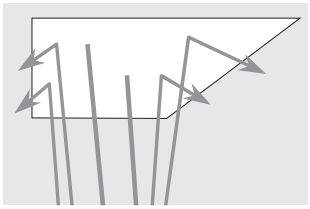
Declare℠ is a service mark of The International Living Future Institute



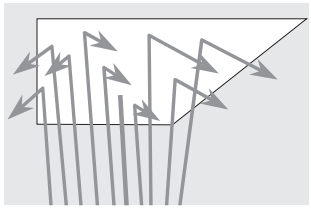
Energy Savings & Flexibility

When designing an energy-efficient building, people tend to focus on everything from insulation to window placement, but in fact, ceiling systems can also play a role in increasing building efficiency. Here's a look at ceiling contributions for building efficiency.

Credit	LEED® Credit	Points	Armstrong® Ceilings Contribution
EQ	**Interior Lighting – Lighting Quality**	BD&C – 1 ID&C – 1	ARMSTRONG® HIGH LIGHT-REFLECTANT CEILINGS AND WALLS **BD&C, Option 2:** Choose Armstrong Hi-LR ceilings (LR 0.85) or walls (0.60) to aid in extending daylighting into the space. **BD&C, Option 2:** Specify Armstrong® TechZone® Ceiling System lighting partners and LED lighting as another option to satisfy LEED® criteria.
MR BD&C MR ID&C	**Building Life Cycle Reduction** **Interiors Life Cycle Impact Reduction**	BD&C – 3 ID&C – 1-3	DC FLEXZONE™ SUSPENSION SYSTEMS **ID&C, Option 3 – Design for Flexibility:** Install DC FlexZone™ Suspension Systems to distribute safe, low voltage direct current (DC) power, and improve the flexibility and reuse of interior spaces, armstrong.com/dcflexzone. ARMSTRONG® ACCESSIBLE CEILING SYSTEMS **ID&C, Option 3 – Design for Flexibility:** Specify any of a wide range of both upward and downward accessible Armstrong ceilings in mineral fiber, fiberglass, metal, and wood substrates.



Typical acoustical ceiling (LR 0.75) reflects just 75% of the light striking its surface.



High LR ceilings are engineered to reflect up to 90% of the light striking their surface.

High light-reflectant ceiling* benefits can include:

- Total building energy savings up to 11%
  - 23% reduction in lighting energy at same light level (fewer indirect lighting fixtures and lamp/ballast replacements)
  - 7% savings in cooling system energy
- Increased occupant satisfaction and productivity
- Ability to contribute to LEED® credits
- More effective use of energy budgets**



This Icon is used throughout this catalog to identify Armstrong products with high light-reflectance properties.



DC FlexZone main beams carry DC power.



Flexible, safe low voltage power supply housed in ceiling clouds.

Benefits of DC FlexZone:

- Low voltage DC power distributed through the ceiling suspension system
- Repurpose and reconfigure without rewiring
- Simple, flexible plug and play modularity
- Customize your space with devices where you need them
- Help accelerate use of DC-based LED lighting
- Enable direct use of on-site renewable energy, like wind and solar

EMerge® ALLIANCE

* A high light-reflectance ceiling has LR 0.83 or greater per ASTM E1477-98 as referred to in ASTM E1264-98

** Based on standards like those developed by the American Society of Heating, Refrigeration, and Air-Conditioning Engineers (ASHRAE) and the International Energy Conservation Code (IECC) currently being adopted across the U.S.

LEED® is a registered trademark of the U.S. Green Building Council
EMerge Alliance® is a registered trademark of the EMerge Alliance

Armstrong® CEILING & WALL SOLUTIONS



Recycling Ceilings

Recycling can be as good for you as it is for the Environment. It reduces waste, saves money, and is a smart alternative to dwindling landfill capacity. When ceilings are recycled by Armstrong Ceilings, higher post-consumer recycled content (Ceiling-to-Ceiling™) products are created.

Credit	LEED® Credit	Points	Armstrong® Ceilings Contribution
MR	**Construction Waste Management** Now a Prerequisite – ID at least 5 materials	MR Required MR 1-2	ARMSTRONG® CEILING RECYCLING PROGRAM **MR:** Add the Armstrong Ceiling Recycling Program to the Waste Management Plan to provide a solution to divert materials from the waste stream, increasing diversion percentage. Ceilings qualify as one nonstructural material. Available throughout the U.S. and Canada. **MR, Option 1:** Ceilings qualify as a material stream to meet 50-75% diversion. **MR, Option 2:** Reduction in Total Waste: Specify products with minimal waste; Show ceiling waste reduction over drywall.

It's easy to recycle.

1 Register **2** Confirm **3** Remove **4** Call us

For Details: Register online at armstrongceilings.com/recycling or call the Armstrong® Ceilings Recycling Center, 1-877-276-7876 (press option 1, then 8).

Two Options to Recycle:



1 Palletize



2 Container

The first Program in the Industry: Over 18 Years of Experience



In 1999, Armstrong Ceilings introduced the industry's first ceiling recycling program. To date, we have recycled more than 195 million square feet of old ceiling material. That's more than 1,073,000 tons of construction waste that's been diverted from landfills.

This Icon is used throughout this catalog to identify Armstrong products that are recyclable through our Armstrong Ceiling Recycling Program

Environmental Footprint

Credit	LEED® Credit	Points	Armstrong Ceilings Contribution
MR BD&C MR ID&C	**Building Life Cycle Reduction** **Interiors Life Cycle Impact Reduction**	ID&C – 1-3	ARMSTRONG® CEILING-2-CEILING™ PRODUCTS **ID&C, Option 1 – Reuse of nonstructural elements:** Specify Armstrong® Ceiling-2-Ceiilng™ products – new ceilings made of reclaimed ceilings that are returned to our recycling program with a high level of post-consumer recycled content.

RETURN AND RECYCLE CEILING PANELS

What Do We Do With Material from the Recycling Program?

We turn it into new ceilings.

The reclaimed ceilings that are returned to our recycling program are made into new ceilings with a high level of post-consumer recycled content. Look for the Ceiling-2-Ceiling icon that identifies these products.

CLOSED LOOP RECYCLED CONTENT
CEILING-2-CEILING™

ONLINE TOOLS

Recycling/Diversion Savings Calculator

The Armstrong Ceilings Recycling/ Diversion Savings Calculator lets you track your diversion and recycling savings online. Print, email, or download to show your savings!

Environmental Impact Calculator

Our Environmental Impact Calculator takes your square footage estimate of recycled panels and calculates the savings of greenhouse gases, waste diverted from landfills, virgin raw materials, energy, and potable water saved.

LEED® is a registered trademark of the U.S. Green Building Council



NRC ABSORB + CAC BLOCK = Total Acoustics Performance®

Acoustic Performance

The ideal combination of sound absorption (NRC) and sound blocking (CAC) in one ceiling system.

Acoustics play an integral role in any space. Surface finishes selected must enhance the indoor environmental quality of a space relative to its functionality. Armstrong® ceilings with Total Acoustics® performance reduce noise levels in interior spaces, allowing for an ideal combination of high performance sound absorption and room-to-room sound attenuation to maximize speech intelligibility.

Total Acoustics® Portfolio

BEST

Total Acoustics® = NRC 0.80+ and CAC 35+

High traffic spaces or multipurpose spaces where maximum sound absorption and sound blocking are needed to help keep noise levels down and prevent disruption to adjacent spaces.



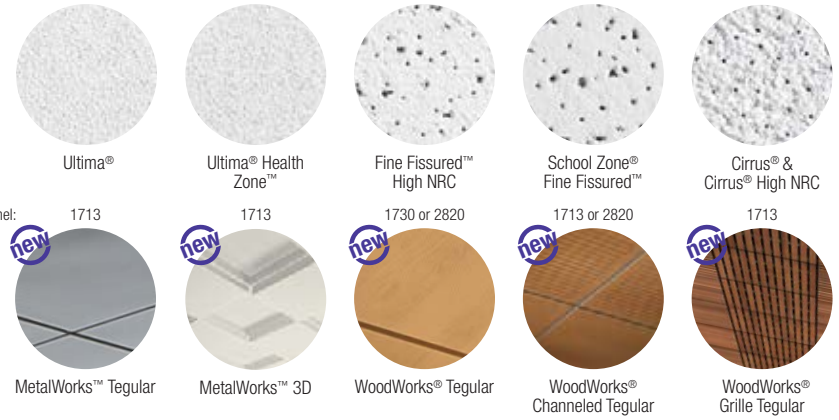
For WoodWorks®, MetalWorks™ and Tectum® Solutions:

Acoustics performance for WoodWorks®, MetalWorks™, and Tectum® ceilings is determined by the product, perforation, and infill panel. (Tectum® ceilings are not perforated)

BETTER

Total Acoustics® = NRC 0.70-0.75 and CAC 35+

Spaces where strong sound absorption and sound blocking are needed for all-around acoustical performance.



GOOD

Total Acoustics® = NRC 0.60-0.65 and CAC 35+

Spaces where less sound absorption is required but sound blocking is needed to maintain privacy between adjacent areas.



REFERENCE – ACOUSTIC PERFORMANCE

LEED® is a registered trademark of the U.S. Green Building Council

Armstrong® CEILING & WALL SOLUTIONS



Acoustic Performance

Choose Total Acoustics® Panels for Every Space

Open plan areas today can become closed plan areas tomorrow, making both absorption (NRC) and blocking (CAC) important for the acoustical needs of the space.

Credit	LEED® Credit	Points	Armstrong® Ceilings Contribution
EQ	**Acoustic Performance (now all Rating Systems)**	BD&C – 2 ID&C – 2	ARMSTRONG ACOUSTIC CEILINGS & WALLS **BD&C – 2, Option 2:** Choose Armstrong® Wall Panels to add to drywall for a higher combined STC value, significantly reducing Sound Transmission. **BD&C – 2, Option 2:** Armstrong® acoustic ceilings absorb sound, contributing to the reduction of Reverberation Time and increased speech intelligibility. Schools must meet ANSI Standard S12.60 contributing to the reduction of reverberation time.

Setting	Situation	Acoustical Suggestion	Recommended Ceiling System
Workplace			
Open Office	Employees have difficulty focusing on tasks due to noisy office space. Contributors of distractions include conversations of co-workers in collaboration areas, benching workstations, and use of speaker phones.	Worker effectiveness can be increased with ceilings that provide Total Acoustics® performance using high NRC products in open plan areas to absorb and block sound.	Lyra® High CAC, Optima®, Calla®, TechZone® Ceiling Systems Ultima® High NRC, Cirrus® High NRC, Fine Fissured™ High NRC Ultima®, Canyon®, Cirrus®, Formations™ Acoustical Clouds
Closed Office	Concentrating on technical work is difficult when sound can be heard through doorways, windows, and HVAC ducts transferring sound from room to room. Employees ranked acoustics the lowest of key attributes in the workplace.	Ceilings that provide Total Acoustics® performance have high CAC and NRC to provide privacy from adjoining offices and corridors.	Lyra® High CAC, Ultima® High CAC, Cirrus®, WoodWorks® Ultima, Calla®, Cirrus, Mesa™ High CAC WoodWorks® Tegular, WoodWorks® Channeled, MetalWorks™ 3D, MetalWorks™ Tin, WoodWorks® Grille Tegular, MetalWorks™ Tegular, MetalWorks™ Mesh TechZone® Ceiling Systems
Education			
Classroom	Excessive reverberation inhibits student understanding and increases teacher vocal strain. Studies indicate that students typically hear only 3 out of every 4 words, missing 25% of what is said in the classroom.	Ceilings with Total Acoustics® performance provide shorter reverberation time, better sound absorption, and sound blocking, which promotes higher speech intelligibility.	Ultima, Optima, Lyra® High CAC, TechZone Ceiling Systems School Zone® Fine Fissured™, Cirrus® High NRC School Zone Fine Fissured, Cirrus
Cafeterium	Open multi-purpose spaces change from cafeterias to auditoriums to gymnasiums requiring different acoustical needs depending on use.	Sound absorption is key and can be accomplished with Total Acoustics® ceilings with high NRC products along with CAC for sound blocking to prevent sound from traveling into adjacent classrooms.	WoodWorks® Tegular, WoodWorks® Channeled, MetalWorks™ 3D, MetalWorks™ Tin, WoodWorks® Grille Tegular, MetalWorks™ Tegular, MetalWorks™ Mesh, Lyra® High CAC, Tectum® Tegular Calla®, Ultima®, Formations™ Acoustical Clouds School Zone™ Fine Fissured™
Healthcare			
Patient Room	The need to share private medical information between patients, doctors, and other medical staff without worrying about being overheard by others is key in a healthcare environment.	A ceiling with Total Acoustics® performance helps to block noise and control reverberation, and from transferring noise to other spaces. The result is a private, secure environment for sharing confidential information, holding discreet conferences, and understanding critical instructions.	Ultima® High CAC, Ultima® High NRC, Ultima® Health Zone™, Ultima® Health Zone™ High NRC Mesa™ High CAC, Fine Fissured™ High NRC, Ultima, Ultima® Create!™, Calla Cirrus® High NRC, Mesa
Lobby, Corridors, and Nurses' Station	Noise caused by hard surfaces, active corridors, busy nurses' stations, alarms, non-private treatment areas, and a 24/7 work environment all help to create sound levels that exceed those recommended by the World Health Organization.	Spot absorption in larger open spaces, and cleanable, scrubbable ceilings with Total Acoustics® performance offer noise reduction and sound blocking in spaces with wall-to-wall ceilings, addressing excessive noise and reverberation.	Optima® Health Zone™, Ultima® Health Zone™ Lyra® High CAC, Optima® High CAC, Calla, Ultima, WoodWorks® Tegular, WoodWorks® Channeled, MetalWorks™ 3D, MetalWorks™ Tin, WoodWorks® Grille Tegular, MetalWorks™ Tegular, MetalWorks™ Mesh Cirrus®, Mesa™ High CAC

LEED® is a registered trademark of the U.S. Green Building Council



NRC + CAC = Total Acoustics
Total Acoustics Ceilings have an ideal combination of noise reduction and sound-blocking performance in one product

NRC + CAC

Acoustic Performance

Acoustics Key Terms

Whether your acoustical concerns are basic, specific, or revolve around achieving Total Acoustics® performance, here's a quick reference guide to help make acoustics terms a little more simple.

Reverberation

The persistance of sound in an enclosed space after the source of the sound has stopped. The level of the reverberant sound within a room is dependent on both the volume of the room and the amount of sound absorption installed within the room, such that small hard surfaced rooms are "louder" than large well-treated rooms.



Sound Reflection

Intentional use of non-absorptive surfaces that enhance a lively acoustical sound quality, typically for nightclubs or music venues.



NRC + CAC = Total Acoustics® Performance

WALL-TO-WALL CEILINGS

Noise Reduction Coefficient (NRC) – Absorption

A measure for rating the overall sound absorption of a material when used in an enclosed architectural space where sound is reflected at many angles of incidence.

A ceiling system with an NRC < 0.50 is low performance, an NRC > 0.70 is high performance.

NRC is important in any space where reverberation time and noise levels are an issue.

- NRC is measured according to ASTM C423
- NRC is a key metric used in the Americas. Europe and other geographics use the weighted sound absorption coefficient α_w.



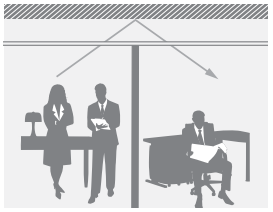
Ceiling Attenuation Class (CAC) – Blocking

A measure for rating the performance of a ceiling system as a barrier to airborne sound transmission through a common plenum between adjacent closed spaces, such as private offices, and open spaces used for collaboration and focus areas.

A ceiling system with a CAC < 25 is considered low performance, whereas one with CAC of 35 or higher is high performance.

CAC is important between closed spaces needing privacy and from closed rooms to adjacent spaces such as:

- Closed offices to corridors
- Classrooms to group learning areas
- Healthcare offices and exam rooms to waiting rooms
- CAC is measured according to ASTM E1414.



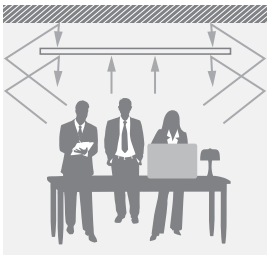
BLADES™ & BAFFLES / CLOUDS, CANOPIES

Sabin

A measure of sound absorption provided by a material when installed within an architectural space. The number of sabin per unit is approximately equal to the total surface area of the unit (in square feet) that is exposed to sound, multiplied by the absorption coefficient of the material.

Sabin per unit is preferred to characterize the absorption provided by an individual "space absorber," such as a baffle, blade, cloud, or canopy in:

- Open offices or retail spaces
- Open plenum areas
- Corridors/lobbies
- Absorption of sabin is measured according to ASTM C423.



REFERENCE – ACOUSTIC PERFORMANCE



Acoustic Performance

Acoustics Key Terms

Whether your acoustical concerns are basic, specific, or revolve around achieving Total Acoustics® performance, here's a quick reference guide to help make acoustics terms a little more simple.

WALLS

A wall system with an NRC < 0.50 is a low performing absorber, an NRC > 0.70 is a high-performing absorber. NRC is important in any space where reverberation time and noise levels are an issue.

- NRC is measured according to ASTM C423
- NRC is a U.S.-based measure. Other geographics use the weighted sound absorption coefficient α_w.

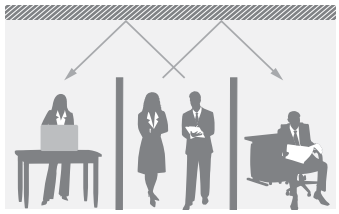
Articulation Class (AC)

A measure for rating the attenuation of reflected speech passing over the top of wall partitions or furniture into the adjoining workstations.

A ceiling system with AC < 150 is low performance, whereas one with AC ≥ 180 is high performance.

AC is important between adjacent cubicles in open plan spaces:

- Office – focus spaces
- Office – collaboration areas
- Open plan healthcare/partial height cubicle areas
- AC is measured according to ASTM E1110 and E1111.



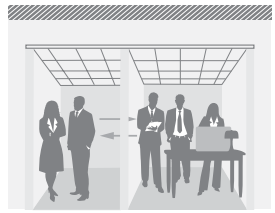
Sound Transmission Class (STC)

A measure for rating the performance of a wall system as a barrier to airborne sound transmission between adjacent closed spaces, such as offices.

A wall system with an STC < 35 is considered low performance, whereas one with an STC > 55 is high performance. STC is the wall equivalent of CAC.

STC is important between closed spaces and in many open plan spaces:

- Closed offices, corridors
- Open offices with dividers
- STC is measured according to ASTM E90.

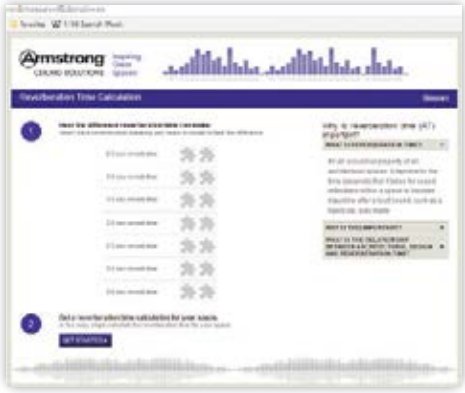


ONLINE TOOLS

Online Reverberation Calculator

Our interactive web-based tool calculates reverberation and sound quality for speech intelligibility which is very important for the built environment. This tool allows you to hear the before and after difference. Providing recommendations for both new spaces and upgrades to existing spaces, this easy-to-use tool makes specifying recommended sound-absorptive ceilings and walls easy, and cost effective.

armstrongceilings.com/reverbtool



MOBILE TOOLS

Sound Level Meter App From Armstrong® Ceilings

Visualize the noise in your space with the Sound Level Meter app by Armstrong Ceilings.

- Record the noise in your space with your iPhone® mobile device
- See how it measures against recommended ranges for similar spaces
- If there's a problem, learn how to improve the acoustics

SOUND LEVEL METER

Available on the App Store

iPhone is a registered trademark of Apple, Inc.



Visit our web site and
watch our video for
Acoustics in Education
armstrongceilings.com/quieterschools

Acoustic Performance

Speech Intelligibility – Why it's Important The quality of the acoustic environment in a classroom or learning facility is vital, since students must be able to understand the teacher to learn effectively. This ability is especially important to students with hearing impairments, very young children, and students for whom English is a second language. Teachers must also be taken into consideration, since vocal strain can contribute to fatigue, frustration, and even "burnout."

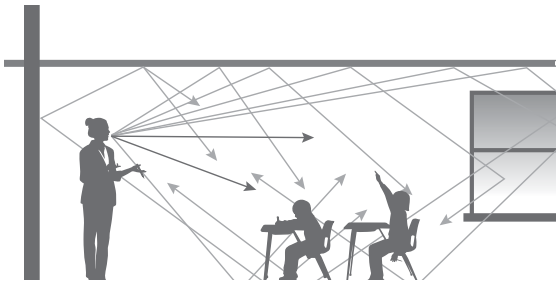
Ceiling panels with Total Acoustics® Performance provide the ideal combination of noise reduction (NRC) and sound-blocking (CAC) performance to help keep noise levels down and sound levels where you want them for optimum communications.

NRC + CAC = Total Acoustics® Performance

EDUCATION

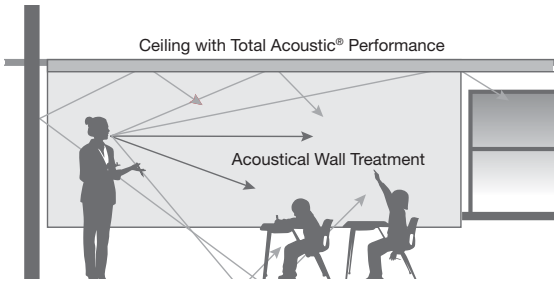
Hard Surface Classroom

Black arrows represent direct sound from teacher to student. Grey arrows represent reflected sound.



Acoustically Treated Classroom

The addition of sound absorbing materials reduces late arriving reflected sound, lowers reverberation time, and improves speech intelligibility.



The intelligibility of speech in a classroom depends on both reverberation time and the signal-to-noise ratio.

The signal-to-noise ratio, or S/N, is the ratio of the speech level reaching the student's ear relative to the background noise that interferes with hearing the speech.

The potential for good sound quality is determined by the architectural design as represented by reverberant sound and reverberation time. Protecting the sound quality as designed requires that the intruding background noise be kept low.

There are several ways to increase the signal-to-noise ratio:

- Raise speech level
  - The teacher can speak louder, but, of course, runs the risk of vocal strain
- Reduce noise traveling through the ceiling plenum, from the floor above, or an adjacent classroom
  - Choose a ceiling with a high CAC value; the higher the number, the better it acts as a sound barrier
- Reduce noise traveling through the walls
  - The new ANSI standard requires a minimum STC of 50 for a wall separating two adjacent classrooms. The higher the number, the better the performance.
- Reduce noise within the room
  - Use a quiet heating/ventilation (HVAC) system

The reverberation time in a space is essentially the time it takes for the reflected sound within the space, such as from a loud hard clap, to become "inaudible." A long reverberation time is detrimental to good speech intelligibility, since the reflections of words just spoken can interfere with words now being spoken.

Sound-absorptive material can be added to the room to reduce reverberation time and help meet ANSI S12.60:

- Reduce reflected sound (reverberation time)
  - Add sound-absorbing material to reduce reverberation.
  - A ceiling with an NRC of at least 0.70 is recommended
  - If installing a wood or metal ceiling, select an acoustic infill panel as indicated to achieve desired Total Acoustics® performance
  - If the ceiling is high, Soundsoak™ wall treatments also will be beneficial

REFERENCE – ACOUSTIC PERFORMANCE



Acoustic Performance

Speech Privacy – Why it's Important

The two leading sources of workplace dissatisfaction are lack of speech privacy and noise, both of which adversely affect work performance. In healthcare, maintaining patient confidentiality, including oral privacy, is a HIPAA requirement. Noise can also affect patient recovery and HCAHPS outcomes. Total Acoustics® ceiling panels provide the ideal combination of noise reduction and sound blocking to help keep noise levels down and private conversations private.

NRC + CAC = Total Acoustics® Performance

OFFICE



NEED:
Confidentiality in a private office or conference room

SOLUTION:
Total Acoustics ceiling to block sound to keep conversation private and decreased reverberation needed for focus

Defining Speech Privacy Levels

1. **CONFIDENTIAL** partially overheard, but not understood
2. **NON-INTRUSIVE/NORMAL** can be overheard, partially understood
3. **POOR** mostly overheard and understood
4. **NO PRIVACY** fully overheard and understood

Recommended Applications*

Confidential Privacy:
Expected for most private offices, PI: 95%-100%.

Normal Privacy:
Allows people to think and concentrate and is expected for most open plan spaces. PI: 80%-95%.

Marginal or No Privacy:
Common in many office environments.

*Commonly recognized levels of Speech Privacy as defined by ASTM E1130.

HEALTHCARE



NEED:
Patient recovery and oral privacy

SOLUTION:
Total Acoustics ceilings provide sound blocking for recuperation and decreased reverberation for optimum communications

HIPAA, FGI & HCAHPS Guidelines in Healthcare

All healthcare facilities, including hospitals, doctors' offices, and pharmacies, need to comply with the Health Insurance Portability and Accountability Act (HIPAA). Hospitals also need favorable Hospital Consumer Assessment of Healthcare Providers and Systems (HCAHPS) ratings to receive certain funding. Fortunately, there are easy and economical ways to meet these oral privacy regulations and expectations in treatment and patient rooms, and waiting and reception areas. Armstrong® high-performance acoustical ceiling systems absorb and block sound to create a more quiet and therapeutic environment.

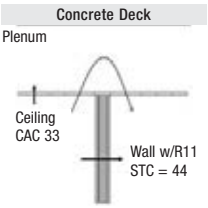
The FGI Guidelines for the Design and Construction of Healthcare Facilities also include recommendations for acoustical finishes and details, room noise levels, sound isolation, and sound masking and paging.

By using Total Acoustics® ceilings, you can help ensure compliance with HIPAA and FGI, and assure positive HCAHPS outcomes.

Effective Building Design for Speech Privacy Using Sound-Blocking Techniques

Building design can have significant impact on speech privacy and construction costs. Below are typical construction scenarios showing how speech privacy is affected.

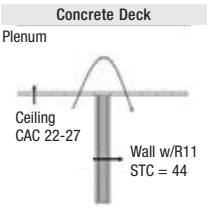
Scenario 1: Typical Design



- Mineral fiber ceiling (NRC 0.50/CAC 33)
- Wall-to-ceiling
- No plenum barrier
- Background noise at ASHRAE recommended 37 dBA

Privacy Index is less than 95%**

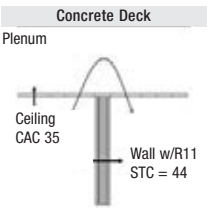
Scenario 2: Perceived Upgrade



- Fiberglass or stone wool ceiling (NRC 0.90/CAC 22-27)
- Wall-to-ceiling
- No plenum barrier
- Background noise at ASHRAE recommended 37 dBA

Privacy Index is significantly lower than 95%**

Scenario 3: HIPAA Compliant Solution



- Mineral fiber ceiling (NRC 0.70/CAC 35)
- Wall-to-ceiling
- No plenum barrier
- Background noise at ASHRAE recommended 37 dBA

Privacy Index is greater than 95% and confidential speech privacy is achieved**

**Privacy Index measurement and calculation are defined in ASTM E1130

UL Classified Acoustical Performance Summary

Product Family	Sound absorption co-efficients[A] – e-400 mounting						Published Value: Sound absorption[B]	Published Value: Sound Transmission[C]	Articulation Class	Total Acoustics
	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	NRC[D]	CAC[D]		
Soft Fiber										
Lyra®	0.75	0.95	0.79	1.00	1.03	1.00	0.95	–	190	–
Lyra® Concealed	0.70	0.84	0.78	0.99	1.06	1.01	0.9	–	190	–
Optima® 3/4"	0.81	0.94	0.76	0.93	1.05	1.01	0.9	–	180	–
Optima 1"	0.81	0.97	0.78	0.99	1.07	1.02	0.95	–	190	–
Optima® 1" w/CAC Backing	0.44	0.60	0.79	1.09	1.08	0.89	0.9	26	200	–
Optima 1.5"	0.73	0.95	0.92	10.60	1.03	0.94	1.00	–	200	–
Optima® 1.5" w/CAC Backing	0.51	0.85	0.91	1.13	1.09	1.01	0.95	26	200	–
Optima® Concealed	0.70	0.84	0.78	0.99	1.06	1.01	0.9	–	190	–
Optima® Concealed w/CAC Backing	0.52	0.49	0.81	0.89	1.03	0.90	0.8	26	190	–
Optima® Concealed w/CAC Backing	0.52	0.49	0.81	0.89	1.03	0.90	0.8	26	190	–
Optima® Health Zone™	0.72	1.00	0.80	1.01	1.06	0.98	0.95	–	190	–
Optima® Vector®	0.70	0.84	0.78	0.99	1.06	1.01	0.9	–	190	–
Optima® Vector® w/CAC Backing	0.52	0.49	0.81	0.89	1.03	0.90	0.8	26	190	–
Painted Nubby™ 3/4"	0.73	0.94	0.70	0.90	0.99	1.01	0.85	–	180	–
Painted Nubby 1"	0.81	0.97	0.78	0.99	1.07	1.02	0.95	–	190	–
Pebble™ Perforated	0.59	0.70	0.56	0.84	0.89	0.71	0.7	–	–	–
Pebble Perforated High NRC	0.74	0.78	0.68	0.88	0.78	0.66	0.8	–	–	–
Random Fissured™ Unperforated	0.50	0.33	0.29	0.78	0.78	0.64	0.55	–	–	–
Random Fissured Perforated	0.59	0.70	0.56	0.84	0.89	0.71	0.7	–	–	–
Shasta® Unperforated	0.47	0.33	0.32	0.82	0.75	0.72	0.5	–	–	–
Shasta 5/8" Perforated	0.59	0.70	0.56	0.84	0.89	0.71	0.7	–	–	–
Mineral Fiber										
Armatuff®	0.24	0.35	0.71	0.61	0.42	0.28	0.5	33-35	–	–
Calla®	0.59	0.56	0.82	0.99	0.95	0.94	0.85	35	170	Best
Canyon®	0.41	0.32	0.56	0.84	0.82	0.80	0.6	35	–	Good
Ceramaguard® Perforated	0.28	0.27	0.43	0.72	0.92	0.86	0.55	38-40	–	–
Ceramaguard Unperforated	–	–	–	–	–	–	–	40	–	–
Cirrus®	0.32	0.31	0.59	0.93	1.00	0.99	0.7	35	–	Better
Cirrus® Fire Guard™	0.27	0.25	0.29	0.36	0.46	0.53	0.35	35	–	–
Cirrus® High CAC	0.36	0.37	0.71	0.90	0.96	0.95	0.7	38-40	–	Better
Cirrus® High NRC	0.33	0.39	0.85	1.00	0.96	0.96	0.75	35	170	Better
Cirrus Profiles	0.23	0.31	0.59	0.83	0.95	0.95	0.65	35	–	Good
Cirrus® Second Look®	0.23	0.31	0.59	0.83	0.95	0.95	0.65	35	–	Good
Clean Room™ FL (border units)	–	–	–	–	–	–	–	35	–	–
Clean Room FL (field units)	0.25	0.24	0.59	0.90	0.75	0.51	0.55	35	–	–
Clean Room VL Perforated	0.22	0.24	0.53	0.90	0.78	0.47	0.55	35	–	–
Clean Room VL Unperforated	–	–	–	–	–	–	–	40	–	–

A = These are representative data for the product family. Sound absorption test data for specific item tested. Data and test reports for most products available upon request. Contact TechLine at techline@armstrongceilings.com

B = Sound Absorption Data and NRC rating obtained by ASTM Procedure C423, "Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method." Sample mountings follow procedures outlined in ASTM E795, "Standard Practices for Mounting Test Specimens During Sound Absorption Tests."

C = Sound Transmission loss data obtained by procedures outlined in AMA-1-II, "Test Method for Ceiling Sound Transmission Test by the Two-Room Method" or by the ASTM Procedure E1414, "Standard Test Method for Airborne Sound Attenuation Between Rooms Sharing a Common Ceiling Plenum." CAC rating determined by following procedures outlined in ASTM Procedure E413, "Classification for Rating Sound Insulation."

D = NRC and CAC single number ratings comply with ASTM E1264 classification requirements.

NOTE: For acoustical details for Tectum® products, contact TechLine at 877 276 7876

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UL Classified Acoustical Performance Summary

Product Family	Sound absorption co-efficients[A] – e-400 mounting						Published Value: Sound Absorption[B]	Published Value: Sound Transmission[C]	Articulation Class	Total Acoustics
	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	NRC[D]	CAC[D]		
Mineral Fiber (continued)										
Cortega®	0.21	0.26	0.51	0.78	0.75	0.69	0.55	33-35	–	–
Cortega® Fire Guard™	0.22	0.26	0.46	0.78	0.92	0.82	0.55	35	–	–
Cortega® Second Look®	0.20	0.30	0.48	0.72	0.73	0.73	0.55	30-35	–	–
Cortega Second Look Fire Guard	0.23	0.31	0.56	0.87	0.85	0.82	0.55	40	–	–
Designer	0.33	0.33	0.51	0.68	0.73	0.76	0.55	30-33	–	–
Dune™	0.39	0.35	0.60	0.60	0.51	0.34	0.5	30-35	–	–
Dune™ Fire Guard™	0.21	0.28	0.51	0.74	0.60	0.42	0.5	35	–	–
Dune™ Second Look®	0.37	0.37	0.63	0.64	0.56	0.39	0.5	35	–	–
Fine Fissured™	0.30	0.35	0.59	0.71	0.69	0.58	0.55	35	–	–
Fine Fissured Fire Guard	0.20	0.27	0.52	0.89	0.82	0.75	0.55	35	–	–
Fine Fissured Fire Guard High NRC	0.20	0.30	0.74	0.95	0.87	0.78	0.7	35-40	–	Better
Fine Fissured™ High NRC	0.28	0.39	0.86	1.01	1.01	1.02	0.75	35	170	Better
Fine Fissured™ School Zone	0.29	0.30	0.65	0.91	0.85	0.79	0.7	35-40	–	Better
Fine Fissured™ Second Look®	0.20	0.30	0.48	0.72	0.73	0.73	0.55	30-35	–	–
Fine Fissured™ Second Look® FireGuard	0.23	0.31	0.56	0.87	0.85	0.82	0.55	35	–	–
Fine Fissured Tile	0.43	0.31	0.42	0.66	0.79	0.70	0.55	35	–	–
Fissured™	0.25	0.25	0.46	0.74	0.82	0.81	0.55	30	–	–
Fissured Fire Guard	0.22	0.26	0.46	0.78	0.92	0.82	0.55	35	–	–
Georgian™	0.21	0.26	0.51	0.78	0.75	0.69	0.55	33-35	–	–
Georgian Fire Guard™	0.22	0.26	0.46	0.78	0.92	0.82	0.55	35	–	–
Georgian™ High Washability	–	–	–	–	–	–	–	33	–	–
Graphis® Finetex™	–	–	–	–	–	–	–	35	–	–
Graphis® Rustex™	0.39	0.31	0.44	0.69	0.89	0.98	0.55	30	–	–
Ledges®	–	–	–	–	–	–	–	35	–	–
Mesa™	0.35	0.40	0.67	0.78	0.76	0.67	0.6	33-35	–	Good
Mesa™ High CAC	0.30	0.32	0.69	0.84	0.73	0.62	0.6	40	–	Good
Mesa™ Second Look®	0.35	0.40	0.67	0.78	0.76	0.67	0.6	35	–	Good
Tincraft™	–	–	–	–	–	–	–	35	–	–
Tundra®	0.23	0.26	0.57	0.67	0.50	0.38	0.5	33-35	–	–
Ultima®	0.32	0.33	0.67	0.97	0.96	0.93	0.75	35	–	Better
Ultima® Fire Guard	0.26	0.31	0.59	0.78	0.80	0.69	0.6	40	–	Good
Ultima® Health Zone™	0.30	0.32	0.71	0.92	0.90	0.89	0.7	38	–	Better
Ultima® Health Zone™ High NRC	0.33	0.36	0.76	1.00	0.98	0.98	0.8	35	–	Best
Ultima® High CAC	0.26	0.31	0.59	0.78	0.80	0.69	0.6	40	–	Good
Ultima® High NRC	0.28	0.39	0.79	0.98	0.96	0.90	0.8	35	170	Best
Ultima® Vector®	0.34	0.38	0.67	0.89	0.82	0.80	0.7	33	–	–

A = These are representative data for the product family. Sound absorption test data for specific item tested. Data and test reports for most products available upon request. Contact TechLine at techline@armstrongceilings.com

B = Sound Absorption Data and NRC rating obtained by ASTM Procedure C423, "Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method." Sample mountings follow procedures outlined in ASTM E795, "Standard Practices for Mounting Test Specimens During Sound Absorption Tests."

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D = NRC and CAC single number ratings comply with ASTM E1264 classification requirements.

NOTE: For acoustical details for Tectum® products, contact TechLine at 877 276 7876

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Lighting Quality

Credit	LEED® Credit	Points	Armstrong® Ceilings Contribution
EQ	**Interior Lighting – Lighting Quality**	BD&C – 1 ID&C – 1	ARMSTRONG® HIGH LIGHT-REFLECTANT CEILINGS AND WALLS **BD&C, Option 2:** Choose Armstrong Hi-LR ceilings (LR 0.85) or walls (0.60) to aid in extending daylighting into the space. **BD&C, Option 2:** Specify Armstrong® TechZone® Ceiling Systems lighting partners and LED lighting as another option to satisfy LEED® criteria.

Energy Reduction and Comfort

Indirect lighting in work environments is increasingly important in areas without natural light. The indirect lighting leads to higher visual comfort levels which have been proven to increase employee effectiveness.

High light-reflectance ceilings enhance the benefits of indirect lighting by improving overall lighting uniformity, returning up to 90% of light back into the space, compared to 75% with standard ceilings. (See drawings, Pg. 469)

Low-Emitting Materials

Credit	LEED® Credit	Points	Armstrong® Ceilings Contribution
EQ	**Low Emitting Materials**	BD&C – 1-3 ID&C – 1-3	ARMSTRONG LOW OR NO-ADDED FORMALDEHYDE CEILINGS All Armstrong mineral fiber and Optima® PB acoustical ceilings meet General Emissions Evaluation per the CDPH standard; v1.1 2010. All Armstrong WoodWorks® ceilings (except WoodWorks Channeled and solid wood options) meet CARB. ULEF options available.

VOC and Formaldehyde Emissions

When it comes to sustainability, the environment inside the building is just as important as what's happening outside. Increasing attention is being given to the quality of the indoor environment and the presence of Volatile Organic Compounds (VOCs).

Armstrong low-emitting ceilings are third-party tested, compliant with California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010. This standard is the guideline for low emissions in LEED®, CalGreen Title 24, ANSI/ASHRAE/USGBC/IES Standard 189; ANSI/GBI Green Building Assessment Protocol. For further information, download our VOC Emissions certifications from the Resources Section of each product page on our web site.

AIRGUARD™ COATING

AirGuard™ Coating for Ultima® ceiling panels is a revolutionary breakthrough to actively remove formaldehyde in buildings. When applied to the back of ceiling panels, the AirGuard Coating (a UL Environment-Certified™ Product) converts the formaldehyde present in interior spaces into an inert substance permanently captured by the ceiling.

Product testing and measurement followed: ASTM procedures (ASTM D 5116-10, D 5197-03, and ISO Standards ISO-16000-23).

AIR CLEANLINESS

Healthcare and Clean Rooms

Armstrong® Ceilings can meet stringent requirements for air cleanliness in healthcare and clean room environments. Select products meet ISO Class 5 in accordance with ISO 14644-1. This corresponds with Class 100 of U.S. Federal Standard 209E.

AirGuard™ Coating is a UL-Environment™ Certified Product and listed in the UL database of Validated and Certified products.
LEED® is a registered trademark of the U.S. Green Building Council

Armstrong® CEILING & WALL SOLUTIONS



Durability & Cleanability

Credit	LEED® Credit	Points	Armstrong® Ceilings Contribution
MR ID&C	**Building Life Cycle Reduction** **Interiors Life Cycle Impact Reduction**	ID&C – 1-3	ARMSTRONG® DURABLE AND CLEANABLE CEIINGS **ID&C , Option 3:** Armstrong durable, damage = resistant and cleanable ceilings minimize the need for frequent replacement and disposal, and maximize the lifecycle of the ceiling.

When manufacturers make durability claims, it is helpful to know the facts based behind them. Our icons and claims are backed whenever possible, by industry-standard tests, outlined below.

CLEANABILITY

Water Repellency

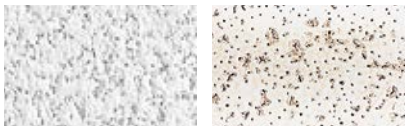
Ceilings installed in healthcare environments are required to be cleanable and must not interfere with infection control. In addition to washability and scrubbability, ceilings in healthcare spaces should also be water-repellent. While an ASTM test does not exist to test for water repellency, in-house testing confirms that Ultima® Health Zone™, Ultima® Health Zone™ High NRC, and Optima® Health Zone™ have been engineered to resist water absorption for a minimum of 15 minutes; the time required for proper cleaning and disinfection.



Washability

Washability Test – ASTM D4828

Ceilings installed in laboratories, clean rooms, food preparation areas, and other sanitary applications are required to meet washability standards. The Washability Test evaluates a ceiling's ability to withstand washing.

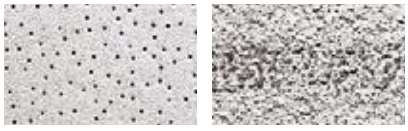


These photos show the superior washability of a Health Zone ceiling versus a standard ceiling.

Scrubbability

Scrubbability Test – Modified ASTM D2486 Procedure

Ceilings installed in laboratories, clean rooms, and food preparation areas are required to meet scrubbability standards – and, sometimes other specific criteria. The Scrubbability Test evaluates a ceiling's ability to withstand scrubbing.



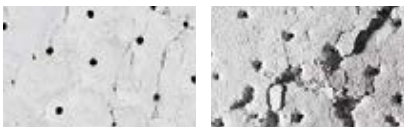
These photos show the excellent scrubbability of a VL ceiling versus a less scrubbable ceiling.

ABUSE RESISTANCE

Impact Resistance

Striking Ball Impact Test – Modified ASTM D1037 Procedure

Ceilings in areas like school corridors or gymnasiums need to withstand abuse, including surface impact. The Striking Ball Impact Test evaluates a ceiling's impact resistance.

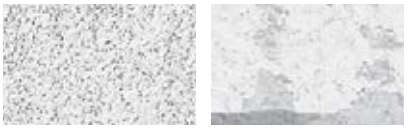


These photos show the excellent impact resistance of a Tundra® ceiling versus a less impact-resistant ceiling.

Scratch Resistance

Hess Rake Test

In any areas where lay-in ceiling panels frequently need to be removed for plenum access, surface scratch resistance is highly desirable. The Hess Rake Test evaluates surface scratch resistance.



These photos show the excellent scratch resistance of an Ultima® ceiling (with DuraBrite® surface) versus a competitive fine texture ceiling.

Soil Resistance

Simulated Supply Air Diffuser Soiling Test

Dirt accumulation not only detracts from a ceiling's appearance, but can cost money by requiring painting or replacement of the ceiling. In addition to reducing acoustical efficiency, soiling can cause a substantial reduction in light reflectance. The Simulated Supply Air Diffuser Soiling Test evaluates this soil-resistant property.



These photos show the excellent soil resistance of an Ultima® ceiling (with DuraBrite® surface) versus a competitive fine texture ceiling.

Frequent Plenum Access

Minimize Damage

Downward access for Vector® panels minimizes panel damage from hanger wires and other obstructions.

LEED® is a registered trademark of the U.S. Green Building Council



No Sag/Humidity Resistance and Anti-Mold/Mildew

Often, ceilings are installed before buildings are enclosed, exposing the building materials to high levels of humidity. Many Armstrong® ceilings can be installed in the state of construction when windows are not fully installed without any risk of sag. Some Armstrong ceilings are coated with a mold-inhibiting agent, others inherently resist growth of mold and mildew.

ARMSTRONG® HUMIGUARD® CEILINGS

- Can be installed before buildings are enclosed
- Minimize replacement of sagging ceilings
- Stay flat, even where HVAC systems are cycled

HumiGuard® Max

HumiGuard Max ceiling panels maintain maximum humidity and sag resistance, including outdoor applications.

HumiGuard® Plus

HumiGuard Plus ceiling panels maintain superior sag resistance. Recommended for areas subject to high humidity, up to, but not including, standing water and outdoor applications.

Virtually all Armstrong acoustical panels not identified as HumiGuard Plus or HumiGuard Max provide acceptable humidity resistance for most conventional commercial building applications, when the building is closed in and HVAC systems are functioning on an ongoing basis.

ARMSTRONG ANTI-MOLD & MILDEW

Armstrong® BioBlock® Ceilings

Ceiling panels with BioBlock® coating contain a mold-inhibiting agent that resists the growth of mold and mildew.



After a 28-day incubation period, a BioBlock ceiling panel received an ASTM rating of 10 (D3274 prescribed rating scale) or 0 (G-21 rating scale), signifying no visible mold growth.

Potential Ceiling Contribution

We stand behind our ceiling system performance with a 30-Year Limited System Warranty that Armstrong® HumiGuard® ceilings will resist visible sag, and that Armstrong® BioBlock® ceilings will resist the growth of mold and mildew.

Commercial ceiling panels with BioBlock coating are warranted to inhibit the growth of mold and mildew for 30 years from the date of installation. Armstrong® BioBlock® coating contains a mold-inhibiting agent that provides resistance to the growth of mold and mildew over the warranty period. Armstrong® HumiGuard® Plus fiberglass ceiling panels and HumiGuard Max mineral fiber ceiling panels are not treated with the BioBlock coating, but are warranted to inhibit the growth of mold and mildew for 30 years from the date of installation due to the inherent characteristics of the product.



Fire Resistance

Local building codes for safe construction rely on two fire ratings to evaluate compliance: (1) Material Flame Spread/Smoke Developed Index Rating, and (2) Fire Resistance Assembly Rating. These ratings are based on ASTM standards, and compliance is determined by several independent, non-governmental testing services such as Underwriters Laboratories, Inc.

SELECTING THE RIGHT UL FIRE-RATED ASSEMBLY

Flame Spread Index (FSI)/Smoke Developed Index (SDI) ASTM E84; UL 723; CAN/ULC - S102M

This is a standard method of testing for surface-burning chararcteristics of building products.

FSI is the relative rate at which a flame will spread over the surface of the material. This index is compared against a rating of 0 for inorganic reinforced cement board, and an index of 100 for red oak. Class A (ASTM E1264) building products require a flame spread index of 25 or less – the required standard for most commercial applications. Class A building products require a smoke developed index of 50 or less.

Continuous Versus Open Plenum Ceilings

A continuous ceiling may allow sprinklers and smoke detectors to activate faster, providing added escape time for occupant evacuation. In buildings where a ceiling is not in place, the height of the space is normally greater and could delay the operation of the fire sprinkler or smoke detector systems.

Fire Resistance Rating of a Ceiling Assembly (ANSI/UL 263 – ASTM E119 and NFPA 251) (CAN/ULC - S101M)

The degree to which the entire assembly (measured in hours), not individual components, withstands fire and high temperatures.

Specifically, it is an assembly's ability to prevent the spread of fire between spaces while retaining structural integrity.

The resulting fire resistance rating relates to the assembly in its entirety and is published or classified in the UL Fire Resistance Directory.

Use Only Fire Guard™ Products for Fire-Rated Assemblies

Selecting the Right UL Fire-Rated Assembly

1. Establish the hourly rating needed to meet code requirements.
2. Determine the existing or planned building elements, including structural, mechanical, electrical, and finish materials, in the fire-rated assembly.
3. Refer to the Fire Resistance Rating Summary (armstrongceilings.com/ulfire) to determine the UL design numbers and ceiling system products that correspond to the fire-rated assemblies that meet your needs.
4. Refer to the Fire Resistance Selector information on our web site armstrongceilings.com/commercial.

Two types of fire-rated construction assemblies pertain to acoustical ceiling systems:

Roof/Ceiling Assemblies

Ceiling system, lighting, HVAC outlets, and other penetrants through the ceiling, the plenum, roof support structure, and roof assembly including deck, insulation, and roofing system.

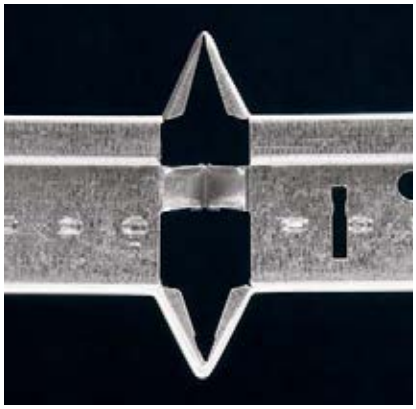
Floor/Ceiling Assemblies

Ceiling system, lighting, HVAC outlets, and other penetrants through the ceiling, the plenum, structural system, subfloor, and finished floor.

Armstrong® panels are UL listed and outperform requirements for ceilings.

For UL Fire Resistive Ceiling Assembly Details, see pages 483-485.

Armstrong® Fire Guard™ ceilings are specially formulated to provide enhanced resistance against structural failure. Fire Guard suspension systems have expansion relief to help maintain structural integrity of the ceiling.



Main beam expansion relief

Fire Guard™ products in this catalog are listed under the following ceiling product families:

Ceramaguard®	Pages 225-226
Ceramaguard® Fine Fissured™	Pages 225-226
Cirrus®	Pages 227-232
Clean Room™ VL	Pages 239-240
Cortega®	Pages 243-244
Cortega® Second Look®	Pages 243-244
Dune™	Pages 249-250
Fine Fissured™	Pages 255-260
Fine Fissured™ Second Look	Page 261
Fissured™	Page 262
Georgian™	Pages 263-264
Ultima®	Pages 311-318
VL	Pages 239-240

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Fire Resistance Assembly Chart

Deck Construction Type	UL Design Number	Concrete Thickness	Panel or Tile Size and Type	Minimum Panel or Tile Thickness	Maximum Fixture Penetration (ft^2/100 SF)	Maximum Duct Penetration (in^2/100 SF)	Suspension Systems
CONCRETE FLOOR/CEILING ASSEMBLIES							
Concrete on Flat Cellular, Fluted, or Blend Deck							
3-Hour – Exposed Grid	A212	2-1/2"	48" x 48" ; PC 36" x 60" ; PC 30" x 60" ; PC	5/8"	25	158	1, 2
	D216	3-1/4"	24" x 24" to 30" x 60" ; P 24" x 24" to 36" x 60" or 48" x 48" ; PC	5/8" (P or PC)	24	576	1, 2
2-Hour – Exposed Grid	D216	2-1/2"	24" x 24" to 30" x 60" ; P 24" x 24" to 36" x 60" or 48" x 48" ; PC	5/8" (P or PC)	24	576	1, 2, 3
Concrete on Ribbed or Corrugated Deck							
3-Hour – Exposed Grid	G256	3-1/2"	24" x 24" ; P 24" x 48" ; P or PC	5/8" (P or PC)	24	255	1, 2
2-Hour – Exposed Grid	G256	2-1/2"	24" x 24" ; P 24" x 48" ; P or PC	5/8" (P or PC)	24	576	1, 2, 3
	G258	2-1/2"	24" x 24" ; P 24" x 48" ; P	5/8"	24	113	1, 2
	G214	2-3/4"	24" x 48" ; P 20" x 60" ; P	5/8"	17	57	1, 2
Concrete on Metal Lath, Ribbed, or Corrugated Deck							
3-Hour – Exposed Grid	G229	3-1/4"	24" x 48" ; P or PC	5/8"	20	576	1, 2
2-Hour – Concealed Grid	G022	2-1/2"	12" x 24" ; P	3/4"	16	57	4
2-Hour – Exposed Grid	G209	3"	24" x 48" ; P or PC 24" x 24" ; P or PC	5/8"	8	None	1, 2
	G244*	3"	24" x 48" ; P or PC 24" x 24" ; P or P 20" x 60" ; P or PC	5/8"	24*	576	1, 2, 3
	G210	2-1/2"	24" x 24" ; P	3/4"	24	113	1, 2
	G216	2-1/2"	24" x 48" ; P or PC 24" x 24" ; P	5/8"	8	None	1, 2
	G217	2-1/2"	24" x 48" ; P or PC 24" x 24" ; P or PC 20" x 60" ; P or PC	5/8"	8	57	1, 2
	G229	2-1/2"	24" x 48" ; P or PC 24" x 24" ; P or PC 20" x 60" ; P or PC	5/8"	20	576	1, 2, 3
	G242	2-1/2"	24" x 48" ; P or PC	5/8"	8	None	1, 2
2-Hour – Exposed Grid	G243*	2-1/2"	24" x 48"; P 24" x 24"; P 20" x 60"; P	5/8"	16	576	1, 2, 3
	G236	2-1/2"	24" x 48"; P 24" x 24"; P	5/8"	None	None	1, 2
	G250	2-1/2"	30" x 60"; P or PC 20" x 60"; P or PC 24" x 48"; P or PC 24" x 24"; P	5/8"	20	113	1, 2
1-Hour – Exposed Grid	G241	2"	24" x 48" ; P 24" x 24" ; P	5/8"	None	None	1, 2
WOOD DECK/CEILING ASSEMBLIES							
Double-Plywood (or Plywood), 2' X 10' Wood Joists							
1-Hour – Exposed Grid	L209	NA	24" x 48"; P	5/8"	16	110	1, 2
	L210	NA	24" x 48"; P 24" x 24"; P	5/8"	24	227	1, 2, 3
Double-Plywood (or Plywood), 3' X 8' Wood Joists							
1-1/2-Hour – Exposed Grid	L208	NA	24" x 48"; P or PC 24" x 24"; P	5/8"	None	None	1, 2

NOTE: Numbers in parentheses are original UL design numbers.
Some unit sizes are no longer available as standard items; some designs include additional sizes.
* Allows flat-board fixture protection

WHAT YOU NEED TO KNOW TO USE THIS CHART

If you are unfamiliar with UL Fire Resistance Ratings, begin with a review of meeting Code Requirements, pg. 482.

As explained there, these ratings are applied to certain types of roof/ceiling and floor/ceiling construction assemblies, which are tested and assigned hourly ratings mandated by building codes or other building safety requirements.

Reminders:

1. UL tests rate an entire assembly. No ceiling or suspension system product alone constitutes a fire-rated assembly.
2. You can use only the specific type, size, and minimum thickness of Fire Guard™ ceilings or suspension system identified in each assembly.
3. This table is a guide.

(See UL Fire Resistance Directory for complete design details). To purchase a copy of the UL Directory:

Underwriters Laboratories, Inc.
Publications Stock
333 Pfingsten Rd.
Northbrook, IL 60062
(Tel.) 847-272-8800,
ext. 42612 or 42622

Key to Panel and Tile Types

PC = Ceramaguard®

P = All other products designated Fire Guard™ in this catalog

Key to Grid System Types

1 = AFG and FST 6000 – Prelude® Fire Guard™ and Prelude® XL® Fire Guard™ with steel cap

2 = AFG-A and FST 6000A – Prelude® Plus XL® Fire Guard™ and XL Fire Guard with aluminum cap

3 = FSLK – Suprafine® Fire Guard™ with steel cap

Deck Construction Type	UL Design Number	Concrete Thickness	Panel or Tile Size and Type	Minimum Panel or Tile Thickness	Maximum Fixture Penetration (ft^2/100 SF)	Maximum Duct Penetration (in^2/100 SF)	Suspension Systems
ROOF/CEILING ASSEMBLIES							
Standing Seam Exposed Metal Roof							
1-1/2 + 1-Hour – Exposed Grid	P265***	See Design Details	24" x 48"; P or PC 24" x 24"; P or PC	3/4" (P) 5/8" (PC)	24	576	1
Lightweight Insulating Concrete on Ribbed or Corrugated Deck							
2-Hour – Exposed Grid	P215	2"	24" x 48"; PC plus 24" x 48"; Gypsum Bd.	5/8" (PC) plus 1/2" Gypsum Bd.	16	57	1, 2
	P219	2"	24" x 48"; PC plus 24" x 24"; Gypsum Bd.	5/8" (PC) plus 1/2" Gypsum Bd.	16	57	1, 2
	P251	2-3/4" Min. to 6-3/4"	24" x 48"; P or PC 24" x 24"; P or PC 20" x 60"; P or PC	5/8" (P or PC)	24	576	1, 2, 3
1-1/2 Hour – Exposed Grid	P231	3-3/8"	24" x 48", 24" x 24"; P 24" x 48"; Gypsum Bd.	5/8"	24	255	1, 2
1-Hour – Exposed Grid	P216*	2"	24" x 48"; P	5/8"	16	57	1, 2
Mineral-Fiber, Glass-Fiber, or Composite Roof Insulation on Fluted Metal Roof Deck							
		INSULATION THICKNESS					
1-1/2 Hour – Exposed Grid	P225	1" min. to unlimited max.	24" x 48"; P or PC 20" x 60"; P or PC	5/8"	24	255	1, 2
	P227	1" min. to unlimited max.	24" x 48"; P or PC	3/4" (P)	24	255	1, 2
	P250***	1" min. to unlimited max.	24" x 48"; P or PC 24" x 24"; P or PC	3/4" (P) 5/8" (PC)	24	113	1
1-Hour – Exposed Grid	P206	1" min. and max.	24" x 48"; P	5/8"	16	113	1, 2
	P210	1" min. and max.	24" x 48"; PC	5/8"	16	57	1, 2
	P211	1" min. to 2" max.	24" x 48"; PC	5/8"	16	57	1, 2
	P225	1" min. to unlimited max.	24" x 48"; P or PC 24" x 24"; P or PC 20" x 60"; P or PC	5/8" (P or PC)	24	576	1, 2, 3
	P227	1" min. to unlimited max.	24" x 48"; P or PC 24" x 24"; P or PC	5/8"	24	255	1, 2
	P250***	1" min. to unlimited max.	24" x 48"; P or PC 24" x 24"; P or PC	3/4" (P) 5/8" (PC)	24	576	1
Poured Gypsum Concrete Over 1/2" Gypsum Formboard							
1-1/2-Hour – Exposed Grid	P217	1-1/2"	24" x 60"; P	5/8"	16	288	1, 2
IRMA (Inverted Roof Membrane Assembly)							
1-Hour – Exposed Grid	R217 (UL Canada)	2" min. to unlimited max.	24" x 48" ; P or PC	5/8"	24	255	1, 2

Deck Construction Type	UL Design Number	Concrete Thickness	Minimum No. of Layers	Minimum Thickness	Maximum Fixture Penetration (ft^2/100 SF)	Maximum Duct Penetration (in^2/100 SF)	Suspension Systems
FLOOR/CEILING DRYWALL ASSEMBLIES							
Concrete on Composite Flat Cellular, Fluted, or Blend Deck							
2-Hour	D501	2-1/2"	1	5/8"	None	None	DFR8000 DFR8000SS
	D502**	2-1/2"	1	5/8"	24	144	DFR8000 DFR8000SS
Concrete on Metal Lath, Corrugated, and Ribbed Deck							
3-Hour	G523	3"	1	5/8"	24	144	DFR8000
	G524	3-1/2"	1	1/2"	None	113	DFR8000
	G529	3-1/4"	1	1/2"	24	57	DFR8000
	G529	3-3/4"	1	5/8"	24	57	DFR8000
	G561	2-1/2"	–	–	144	144	DFR8000
2-Hour	G523	2-1/2"	1	1/2"	24	144	DFR8000 DFR8000SS
	G524	2-1/2"	1	1/2"	None	113	DFR8000 DFR8000SS
	G526	2-1/2"	1	1/2"	25	56.5	DFR8000 DFR8000SS
	G527	2-1/2"	1	1/2"	None	None	DFR8000 DFR8000SS
	G527	2-1/2"	1	1/2"	24	57	DFR8000 DFR8000SS
	G561	2-1/2"	–	–	144	144	DFR8000
1 1/2-Hour	G527	2-1/2"	1	1/2"	None	None	DFR8000 DFR8000SS
1 Hour	G561	2-1/2"	–	–	144	144	DFR8000
Concrete on Steel Deck							
2-Hour	G-553	1"	1	5/8"	None	None	DFR8000
1-Hour	G-553	1"	1	5/8"	None	None	DFR8000 DFR8000SS

* Allows flat-board fixture protection ** Concrete plus insulation *** Square-edge ceiling panels only

Deck Construction Type	UL Design Number	Concrete Thickness	Minimum Number of Layers	Maximum Thickness	Maximum Fixture Penetration (ft^2/100 SF)	Maximum Duct Penetration (in^2/100 SF)	Suspension Systems
FLOOR/CEILING DRYWALL ASSEMBLIES (CONT.)							
Concrete on Composite Steel Joist							
2-Hour	G-531	3"	1	5/8"	144	20	DFR8000 DFR8000SS
1-1/2-Hour	G-531	3"	1	5/8"	144	20	DFR8000 DFR8000SS
1-Hour	G-531	3"	1	5/8"	144	20	DFR8000 DFR8000SS
Clark Dietrich C-Channel System							
2-Hour	G-553	1"	1	5/8"	None	None	DFR8000 DFR8000SS
	G-560	1"	1	5/8"	None	None	DFR8000
	G-566	2"	1	5/8"	None	None	DFR8000 DFR8000SS
	G-579	1"	1	5/8"	None	None	DFR8000 DFR8000SS
	G-594	1"	1	5/8"	None	None	DFR8000
1-Hour	G-553	1"	1	5/8"	None	None	DFR8000 DFR8000SS
	G-560	1"	1	5/8"	None	None	DFR8000
	G-566	2"	1	5/8"	None	None	DFR8000 DFR8000SS
	G-579	1"	1	5/8"	None	None	DFR8000 DFR8000SS
	G-591	1"	1	5/8"	None	None	DFR8000
Concrete on Steel Deck and Steel Joists							
3-Hour	G-561	2-1/2"	1	5/8"	144	144	DFR8000
2-Hour	G-561	2-1/2"	1	5/8"	144	144	DFR8000
1-1/2-Hour	G-561	2-1/2"	1	5/8"	144	144	DFR8000
1-Hour	G-561	2-1/2"	1	5/8"	144	144	DFR8000
WOOD DECK/CEILING DRYWALL ASSEMBLIES							
1-Hour	L502	NA	1	1/2"	None	None	DFR8000 DFR8000SS
	L513	NA	1	5/8"	None	None	DFR8000 DFR8000SS
	L515	NA	1	1/2"	None	None	DFR8000 DFR8000SS
	L525	NA	1	1/2"	24	57	DFR8000 DFR8000SS
	L526*	NA	1	5/8"	24	114	DFR8000 DFR8000SS
Plywood (2), 2 x 10 or (1) 4 x 10 Wood Joists							
1-Hour	L508	NA		5/8"	None	None	DFR8000 DFR8000SS
Plywood with Wood Trusses							
1-Hour	L529	NA		5/8"	24	57	DFR8000 DFR8000SS
Structual Cement – Fiber Units Over Steel Joists							
1-Hour	L-564	3/4"	1	5/8"	144	144	DFR8000 DFR8000SS
ROOF/CEILING DRYWALL ASSEMBLIES							
Standing Seam exposed Metal Roof with Batts/Blankets							
1-Hour	P516	NA	2	5/8"	None	None	DFR8000
Mineral Fiber Foam on Cellular, Fluted, Corrugated Metal Deck							
2-Hour	P514	NA	1	5/8"	24	255	DFR8000 DFR8000SS
1-1/2-Hour	P507	NA	1	5/8"	24	57	DFR8000 DFR8000SS
	P510	NA	1	5/8"	24	57	DFR8000 DFR8000SS
	P513*	NA	1	5/8"	24	144	DFR8000 DFR8000SS
1-Hour	P508*	NA	1	5/8"	24	144	DFR8000 DFR8000SS
	P509*	NA	1	5/8"	24	144	DFR8000 DFR8000SS
	P510	NA	1	1/2"	24	57	DFR8000 DFR8000SS
Mineral Fiber/Laminated Gypsum Planks							
1-1/2-Hour	P506	2"	1	5/8"	24	57	DFR8000 DFR8000SS

NOTE: Numbers in parentheses are original UL design numbers.
Some unit sizes are no longer available as standard items; some designs include additional sizes.

*Optional acoustical tile may be glue-applied to gypboard.
DFR8000 – UL designation, Fire Guard™ drywall grid system
DFR8000SS – UL designation, Fire Guard™ ShortSpan® drywall grid system



Seismic Compliance

In geographic seismic zones, properly engineered building structures need to be properly designed to withstand the seismic effects, while sustaining an acceptable level of damage. The International Building Code (IBC) presents minimum design/performance requirements and, in some instances, prescriptive guidance for product and installation requirements in seismic areas.
The purpose of this requirement is to:

- Provide a suspension system strong enough to resist lateral forces imposed upon it without failing
- Prevent border panels from falling from the ceiling plane

INSTALLATION REQUIREMENTS FOR SUSPENDED CEILINGS

IBC Requirements for Wall-to-Wall Ceiling Systems with Standard Acoustical Suspension Systems

IBC requirements are based on flat, level, suspended ceiling systems – main beams and cross tees suspended from the building structure by wires and wall molding around the perimeter.

- The IBC code is based on the suspension system only
- Many manufacturers market non-standard ceiling systems not covered by the code
- You must be able to prove that specified ceiling systems perform at a level consistent with the intent of the code

Installation Requirements for Clouds, Canopies, and Vertical Elements

Code officials may reject specified products such as clouds or canopies* during plan review, challenging your design and delaying the construction schedule.

However, the code "is not intended to prevent"[1] the installation of certain ceiling systems, and does allow "alternative materials, designs, and methods" to be used. To substantiate claims for alternative materials and designs, code officials "have the authority to require tests as evidence of compliance."[2] If you are having problems getting free-floating or non-traditional objects approved, contact your local Armstrong Ceilings representative. See page 487 for a list of tested systems.

1. Section 104.11 Alternative materials, designs, and methods of construction and equipment.
2. Section 104.11.2 Tests.

*Armstrong Ceilings defines a cloud as a ceiling that is not connected to a wall on any side. Armstrong defines a canopy as a single, unique architectural element which is independently suspended from the building structure.

Installation Requirements for Suspended Drywall Ceilings

The drywall grid components listed in ESR-1289 and ESR-2311, which represent a code-compliant system for suspended-ceiling-mounted drywall installations, meet ASTM C645 and are UL Fire Rated. Armstrong® Drywall Grid Systems offer a labor- and cost-saving method of meeting seismic code without risk of delaying your construction schedule. Additional benefits of ESR-1289 and ESR-2311 are:

- Elimination of the lateral load design requirements (see ESR-1289, Section 4.4.1)
- Recognition and approval of DGS 6' cross tees (XL8965), and that 6' spacing of main beams reduces material, hanger wire, and installation time
- UL approval of XL8965 in fire-rated applications
- Recognition of fire-rated Type "F" cross tees – XL8947, XL8947P, XL8925, and XL8918
- Recognition and approval of ShortSpan® pre-engineered solution to support spans up to seven feet with no independent support

Seismic Rx® Suspension System

Armstrong® Ceilings has an International Code Council-Evaluation Service (ICC-ES) approach to installation evaluated by the entitled Evaluation Sevice Report (ESR-1308). The Armstrong Seismic Rx Suspension System eliminates unsightly 2" wall angles in Category D, E, F seismic-compliant installations. It provides a labor- and cost-saving method of meeting seismic codes without the risk of delaying the construction schedule.



ICC Evaluated Heavy-duty Suspension Systems ESR-1308

- Prelude® XL® 15/16" Exposed Tee suspension system
- Suprafine® XL® 9/16" Exposed Tee suspension system
- Silhouette® XL® 9/16" Slotted Tee suspension system
- Interlude® XL® 9/16" Exposed Tee suspension system

2" wall angles are prone to the following problems:

- Difficult to keep "tight" to wall
- Difficult to install corners
- Prone to twisting and warping





ESR-1308 Lists Specific Armstrong Ceiling Components and Method of Installation

The performance of the Armstrong Seismic Rx Suspension System is based on the specific combination of components and method of installation. **Other manufacturers' components and installation methods were not tested, and are not covered in the ESR-1308 evaluation. Substitution of other components puts the system at risk and is not allowed by this ESR report.**

DEF

This Icon is used throughout this catalog to identify **Armstrong products approved for use in seismic zones.**

For more information and code-related web site information, refer to our brochure: "WHAT YOU NEED TO KNOW Code Requirements Seismic Rx® Tested Solutions" BPCS-4141





Seismic Compliance

Providing a valid Evaluation Service Report (ESR) to a code official represents the "gold standard" for installations. The ESR represents the safest, least risky method for selecting a seismic ceiling solution. Armstrong Ceilings also has tested products that do not appear in ESR reports, as many products do not have clear code requirements. Armstrong Ceilings can provide you with seismic test results via a white paper or test report based on large-scale seismic shake table test results from an IAS accredited test facility (State University of New York, University at Buffalo). Contact TechLine at 877 276-7876, techline@armstrongceilings.com

Armstrong Ceilings is one of the only ceiling manufacturers consistently providing seismic test results for all types of installations: Wall-to-Wall Ceilings, Canopies, Clouds, Vertical Elements, and Drywall Grid Systems.

When requesting a white paper or test report, please have this information ready to share:

- Project Name
- Location
- Product
- Installing Customer Contact
- Design Professional Contact

SEISMIC TESTED SYSTEMS

Product	Installation Detail
Axiom® Building Perimeters	Perimeter Pocket with Horizontal Diffuser Perimeter Pocket with Vertical Diffuser
Canopies	Capz™ Infusions® Hills & Valleys Infusions (Grouped) MetalWorks™ Canopies MetalWorks Wings Optima® Canopies SoundScapes® Canopies WoodWorks® Canopies
Clouds and Vertical Elements	72" x 72", 144" x 144", and 168" x 168" Formations™ – Planks 12" Axiom Floating 2-sides with Prelude® XL® ID 12" Axiom Floating Cloud with Prelude XL ID 6" Axiom Floating 2-sides with Prelude XL ID 6" Axiom Floating Cloud with Prelude XL ID 16" Axiom Trim Infusions® Blades™ Infusions Shapes Formations Curves & with Integrated Lighting MetalWorks™ Blades™ Serpentina® Classic Serpentina® Vault Serpentina® Waves™ SoundScapes® Blades™ SoundScapes Shapes
Corridors	Acoustical Locking Angle Molding with 8" and 12" Gusset Acoustical Locking Angle Molding with Fiberglass Panels Acoustical Locking Angle Molding with Mineral Fiber Panels ShortSpan® Corridor System with Gusset SingleSpan™ Acoustical Corridor Suspension System
Drywall Systems	6' DGS Tees Drywall Grid System QuikStix™ Locking Pocket Main ShortSpan 14' ShortSpan 6' QuikStix Soffits
MetalWorks™	DH700 Faceted Tegular and Vector® Fastrack 3", 6", and 12" Flush Tegular on Prelude XL Linear Curved and Flat Open Cell 4" and 8" Planks RH200 RH200 Cantilevered Curved RH215 Curved RH215 Clip-on Square Tegular on Prelude XL Standard Planks Tartan 3" Tartan 6" with Mega Panels and Planks Torsion Spring Vector on Prelude 15/16" suspension system Wings

Product	Installation Detail
Seismic	Category C Installation per Code Category D, E & F Installation per Code Seismic Corridor with 8" Gusset Seismic Corridor with 12" Gusset Seismic Joint Clip Main Beam (SJMR15) Fully Loaded Seismic Joint Clip Main Beam (SJMR9) Fully Loaded Seismic Joint Main Beam Splice Seismic Separation Joint on Prelude® XL® Seismic Separation Joint on Suprafine® XL® STAC – Single Tee Adapter Clip
Seismic Rx®	BERC2 45-degrees to the Wall on Prelude XL BERC2 Fully Loaded on Prelude XL BERC2 on 7897 Shadow Molding with Ultima® Vector® Panels BERC2 on Interlude® XL® HRC BERC2 on Interlude XL HRC with Lights & Sprinklers BERC2 on Silhouette® XL® with Diffusers & Sprinklers BERC2 with Prelude XL Intermediate-duty BERC2 with Suprafine XL ALBERC2 Prelude XL – Alternate Category C
Standard T-Bar Suspension System	DC FlexZone™ Fully Loaded Metaphors® Optima Radial Ceiling Optima® Vector® Optima Vector 24" x 96" Planks Optima Vector 48" x 48" Panels Prelude XL Fire Rated Prelude XL Intermediate-duty Prelude XL to Black Iron NYC Prelude® XL Max® Shiplap Full Room Silhouette XL with Shadow Molding Sloped Ceiling Suprafine XL Installation per Code TechZone® Ceiling Systems Ultima® Beveled Tegular Ultima Vector
WoodWorks®	Access™ Canopies Grille Linear Curved Linear Flat Tegular on Prelude XL Vector on Prelude XL
Other	Capz Altitudes® Torsion Spring Axiom Transitions Axiom Glazing Channel Axiom Light Coves XAL LENO with Lighting Connector Bracket

CEILINGS

Item Number Index

FastSize™ Items Availability indicated on product pages.

Service Category	Service Level	Availability	Details
Made-To-Stock Items (bold face type)	A	5-10 days	Item numbers noted in BOLD on this index
Made-To-Order Items (not inventoried)	C	20-30 days	–
Special Made-To-Order Items (not inventoried)	S	30 days plus	Minimum quantities and setup charges apply
Metric Items	–	30 days plus	Minimum quantities apply

CEILING PRODUCTS

◆ SF per carton unless otherwise noted

Item No.	Sq. Ft.◆/ Ctn.	Page No.
10225H/V	Bulk	85-86
1030H/V	Bulk	85-86
10375H/V	Bulk	85-86
1045H/V	Bulk	85-86
10525H/V	Bulk	85-86
1060H/V	Bulk	85-86
1075H/V	Bulk	85-86
1090H/V	Bulk	85-86
10STR	Bulk	85-86
1400	24	283-284, 341
1402	24	287-288, 341
1403	24	287, 289-290, 341
1404	30	283-284, 341
1406	30	287-288, 341
1407	30	287, 289-290, 341
1409	96	287, 289-290, 341
1410	16	287-288, 341
1411	20	287-288, 341
1412	6	287-288, 341
1413	12	287, 289-290, 341
1414	48	287, 289-290, 341
1415	21	287, 289-290, 341
1417	27	287, 289-290, 341
1420	24	311, 313, 341
1422	24	315, 317-318, 341
1423	24	315, 317-318, 341
1425	30	311, 313, 341
1427	24	315, 317-318, 341
1431	62.5	315-316
1432	60	311-312
1433	60	315-316
1434	40	315-316
1435	72	311-312
1436	72	315-316
1437	72	315-316
1445	**40**	**321-322**
1446	**40**	**323-324**
1447	**40**	**323-324**
1448	**40**	**321-322**
1462	16	283-284
1463	20	283-284
1466	24	291-292, 341
1467	42	291-292, 341
1490	64	223-224
1491	**64**	**223-224**
1492	**64**	**223-224**
1493	64	223-224
1494	**64**	**223-224**
1495	64	223-224
1713	**48**	**124, 148, 156, 178, 200, 255-256, 305-306**
1713BL	**48**	**174, 186, 200, 255-256**
1714	**64**	**156, 255-256, 305-306**
1715	**48**	**239-240**
1716	**64**	**239-240**
1717	**48**	**257, 259-260, 305-306**
1719	**48**	**257-260, 305-306**
1720	**48**	**239-240**
1721	**64**	**239-240**
1728	**64**	**255-256**
1728BL	**64**	**156**
1729	**96**	**255-256**
1732	**64**	**257-258**
1733	80	257-258
1734	**64**	**257, 259-260**
1736	100	255-256
1737	100	255-256
1738	75	255-256
1752	**64**	**263-264**
1753	**64**	**263-264**
1754	**40**	**255-256**
1755	48	255-256
1756	**40**	**257-258**
1757	48	257-258
1758	**40**	**257-258**
1759	48	257-258
1760	**80**	**261**
1761	**80**	**261**
1762	80	261
1765	80	261
1766	**80**	**261**
1772	**64**	**249-250**
1773	**64**	**249-250**
1773HRC	64	249-250
1774	**64**	**249-250**
1774HRC	64	249-250
1775	**64**	**249-250**
1775HRC	64	249-250
1776	64	249-250
1776HRC	64	249-250
1777	64	249-250
1777HRC	64	249-250
1796	67	249-250
1798	50	249-250
1810	48	255-256, 305-306
1811	**64**	**255-256, 305-306**
1820	**48**	**257, 259-260, 305-306**
1821	**48**	**257, 260, 305-306**
1824	64	257, 260, 305-306
1830	**64**	**255-256**
1831	64	255-256
1833	48	257-258
1834	64	257, 259-260
1835	48	257, 259-260
1850	48	249-250
1851	64	249-250
1852	**48**	**249-250**
1853	**48**	**249-250**
1861	80	261
1894	80	315, 317-318
1895	48	315, 317-318
1900	48	311, 314
1901	48	315, 318
1902	48	315, 318
1903	48	311, 314
1904	48	315, 318
1905	62.5	315, 317-318, 340, 351
1905HRC	62.5	315, 318
1906	48	315, 318
1910	**48**	**311, 313, 339**
1910HRC	48	311, 313
1911	**48**	**315, 317-318, 340, 351**
1911HRC	48	315, 317-318
1912	**48**	**315, 317-318, 340, 351**
1912HRC	**48**	**315, 317-318**
1913	**48**	**311, 313, 339**
1913HRC	48	311, 313
1914	48	315, 317-318, 340
1914HRC	48	315, 317-318
1915	48	315, 318, 340
1915HRC	48	315, 318
1916	24	315, 317-318, 341
1917	24	315, 317-318, 341
1918	**22.5**	**281-282**
1920	**48**	**319-320**
1921	24	319-320
1929	68	315, 318, 340
1935	**48**	**321-322**
1936	**48**	**323-324**
1937	**48**	**323-324**
1938	**48**	**321-322**
1940	40	311-312
1941	40	315-316
1942	40	315-316
1942HRC	40	315-316
1943	48	311-312
1944	40	315-316
1945	40	315-316
1951	48	315, 317-318
1952	48	315, 317-318
1980	72	311, 313, 339
1981	**72**	**315, 317-318, 340**
1982	**72**	**315, 318, 340**
1984	80	311, 313, 339
1985	80	315, 317-318, 340
1986	80	315, 318, 340
1990	24	311, 313
1991	30	311, 313
1992	36	311, 313
1993	24	315, 317-318
1994	30	315, 317-318
1995	36	315, 317-318
1996	24	315, 317-318
1997	30	315, 317-318
1998	36	315, 317-318
2195	**64**	**243-244**
2600	**48**	**265-266**
2602	**48**	**265-266**
2711	**80**	**251-252**
2712	**80**	**251-252**
2722	**80**	**251-252**
2758	**64**	**243-244**
2765	**80**	**243-244**
2767	**80**	**243-244**
2776	**80**	**243-244**
2818		354
2820	40	124, 148, 150, 156, 174, 178, 200, 221-222
2820BK		174
2820BL	40	156
2821	48	221-222
2822	40	221-222, 340, 351
2823	48	221-222, 340
2824	**40**	**221-222, 340, 351**
2825	48	221-222, 340
2904	128	304
2905	**128**	**304**
2906	**128**	**304**
2907	**128**	**304**
2908	128	303
2909	128	303
2910	**128**	**303**
2911	**128**	**303**
2968	128	301-302
2970	120	301-302
2983	128	301-302
2988	80	301-302
2989	80	301-302
301	**64**	**309-310**
302	**64**	**309-310**
303	**48**	**309-310**
304	48	309-310
305	64	309-310
3101	128	299-300
3102	96	299-300
3103	96	299-300
3104	128	299-300
3114PB	**96**	**295-296**
3115PB	**96**	**295-296**
3150	**128**	**283-284, 339**
3150PB	128	283-284
3151	**128**	**283, 285-286, 339**
3151PB	128	283, 285-286
3152	**96**	**283-284, 339**
3152PB	96	283-284
3153	**96**	**283, 285-286, 339**
3153PB	96	283, 285-286
3154	128	283, 285-286, 339
3155	64	283, 285-286
3156	100	283-284, 339
3157	100	283, 285-286, 339
3158	75	283, 285-286, 339
3159	64	283-284
3160	96	283, 285-286, 339
3160PB	96	283, 285-286, 339
3161	96	283, 285-286, 339
3162	128	283, 285-286, 339
3164	100	283, 285-286, 339
3200	96	299-300
3201	96	299-300
3214PB	**96**	**295-296**
3215PB	**96**	**295-296**
3216PB	**96**	**295-296**
3217PB	**96**	**295-296**
3249	96	287, 290, 340
3250	**96**	**287-288, 340**
3250PB	96	287-288
3251	**96**	**287, 289-290, 340, 351**
3251PB	96	287, 289-290
3252	96	287-288, 340
3252PB	96	287-288
3253	64	287-288
3254	64	287, 289-290
3255	96	287-288, 340
3255PB	96	287-288
3256	96	287, 290, 340
3256PB	96	287, 290
3257	96	287, 289-290, 340
3257PB	96	287, 289-290
3258	75	287-288, 340, 351
3259	75	287, 289-290, 340
3261	72	287, 289-290, 340
3261PB	72	287, 289-290
3262	**96**	**287, 289-290, 340**
3262PB	96	287, 289-290
3263	48	287, 289-290, 341
3264	48	287-288
3265	**100**	**287, 289-290, 340**
3265PB	100	287, 289-290
3266	62.22	287, 289-290, 340
3268	70	287, 289-290, 340
3269	93.33	287, 289-290, 340
3276	75	287, 289-290, 340
3277	100	287, 289-290, 340
3278	100	287-288, 340
3279	84	287, 289-290, 340
3280	84	287, 289-290, 340
3281	72	287-288, 340
3282	96	287-288, 340

FastSize™ Items Availability indicated on product pages.

Service Category	Service Level	Availability	Details
Made-To-Stock Items (bold face type)	A	5-10 days	Item numbers noted in BOLD on this index
Made-To-Order Items (not inventoried)	C	20-30 days	–
Special Made-To-Order Items (not inventoried)	S	30 days plus	Minimum quantities and setup charges apply
Metric Items	–	30 days plus	Minimum quantities apply

CEILING PRODUCTS

Item No.	Sq. Ft.♦/ Ctn.	Page No.
3283	67.5	287, 289-290, 340
3284	90	287, 290, 340
3285	100	287, 290, 340
3286	100	287-288, 340
3287	112	287, 290, 340
3288	117.33	287, 290, 340
3289	93.33	287, 290, 340
3290	48	287, 289-290, 340-341
3314	96	295-296
3315	96	295-296
3316	64	295-296
3317	64	295-296
3352	96	283-284
3353	96	283, 285-286
3354	96	287-288, 351
3355	96	287, 289-290
3356	64	283, 285-286
3900	**48**	**291-292, 340**
3900PB	48	291-292
3901	48	291-292
3902	48	291-292
3903	48	291-292
3904	**75**	**291-292, 340**
3905	**75**	**291-292**
3906	72	291-292, 340
3907	96	291-292, 340
3908	96	291-292, 340
3908PB	96	291-292
3909	64	291-292, 340
3920		59-64
3921		59-64
3922		59-64
3923		59-64
4075H/V	Bulk	85-86
415H/V	Bulk	85-86
4225H/V	Bulk	85-86
430H/V	Bulk	85-86
435		**272, 274, 290, 343**
4375H/V	Bulk	85-86
440A	**50 pcs**	**320, 405**
441		**78, 292, 294, 405**
442A	**50 pcs**	**199-200, 278, 292, 294, 320, 405**
445H/V	Bulk	85-86
4525H/V	Bulk	85-86
460H/V	Bulk	85-86
475H/V	Bulk	85-86
490H/V	Bulk	85-86
4STR	Bulk	85-86
510	48	235-236
511	**48**	**235-236**
512	48	235-236
513	**48**	**235-236**
514	**48**	**235-236**
522	**80 pcs**	**278, 292, 294, 405**
533	48	227-228
5330	**32**	**141-142**
5331	**32**	**141-142**
5332	**42.7**	**141-142**
5333	**42.7**	**141-142**
5335	40	141-142
5336	5 pcs	141-142
5337	**100 pcs**	**141-142**
533HRC	48	227-228
534	40	229, 231-232
5342	32	124, 126, 156
5344	60	124, 126, 156
5346	60	124, 126, 156
535	**48**	**229, 231-232**
535HRC	48	229, 231-232
538	40	229, 231-232
5389	**250 pcs**	**182**
539	**48**	**229, 231-232**
5396	Bulk	144
5398	Bulk	144
539HRC	48	229, 231-232
5401W1	16	175-176
5401W2	16	175-176
5401W3	16	175-176
5401W4	16	175-176
5401W5	16	175-176
5401W6	**16**	**175-176**
5403W1	16	175-176
5403W2	16	175-176
5403W3	16	175-176
5403W4	16	175-176
5403W5	16	175-176
5403W6	16	175-176
5404W1	16	171-174
5404W2	16	171-174
5404W3	16	171-174
5404W4	16	171-174
5404W5	16	171-174
5404W6	16	171-174
54051	10	83
54052	20	83
54061	12	83
54062	24	83
5406W1	4	171-174, 340
5406W2	4	171-174, 340
5406W3	4	171-174
5406W4	4	171-174
5406W5	4	171-174
5406W6	4	171-174
54101	40	83
54102	80	83
5415W1	16	174, 199
5419W1	32	174, 199
5438		97
5440	**16**	**95-96**
5441	**16**	**95-96**
5442	**16**	**95-96**
5443	**16**	**95-96**
5444	**16**	**95-96**
5445	**16**	**95-96**
5448	24	95-96
5449	32	95-96
5450		**97**
5451		**97**
5452		**97**
5453		**97**
5454		97
5455		**97**
5479	**48**	**124, 126, 174, 184, 194, 130, 156, 200**
5488P1WH	**32**	**143-144**
5488P4WH	**32**	**143-144**
5490	43	131-132
5491	53	131-132
5492	43	131-132
5493	53	131-132
5494	16 pcs	134
5495	50 pcs	134
5496	50 pcs	134
5496	50 pcs	134
551	48	229-230
556	**40**	**229-230**
557	**48**	**233-234**
5570	48	131-132
5571	48	131-132
5574	10 pcs	134
558	**40**	**229-230**
5581	50 pcs	134
5582	50 pcs	134
5583	50 pcs	134
5588		97
5594	Bulk	144
5596	100 pcs	144
5597	1 pc	144
5598	100 pcs	144
5600	Bulk	157
56001B1	4 OR 8	149-150
56001B3	4 OR 8	149-150
56002B1	4 OR 8	149-150
56002B3	4 OR 8	149-150
56003B1	4 OR 8	149-150
56003B3	4 OR 8	149-150
56004B1	4 OR 8	149-150
56004B3	4 OR 8	149-150
56005B1	4 OR 8	149-150
56005B3	4 OR 8	149-150
56006B1	4 OR 8	149-150
56006B3	4 OR 8	149-150
56007B1	4 OR 8	149-150
56007B3	4 OR 8	149-150
56008B1	4 OR 8	149-150
56008B3	4 OR 8	149-150
56009B1	4 OR 8	149-150
56009B3	4 OR 8	149-150
5600HDC	200	157
56051	Bulk	157
56052	Bulk	157
56053	Bulk	157
56054	Bulk	157
56055	Bulk	157
56056	Bulk	157
5629		**97**
563	**40**	**227-228**
5630		**97**
5631		**97**
5632		**97**
5635	16	95-96
5636	16	95-96
565	48	227-228
5650	Bulk	144
5659W1	60	174, 199
5660W1	60	174, 199
5671		188, 192
5672		188
5674		188
5675		188
568	48	229-230
5687	250 pcs	188, 192
5688	250 pcs	188
5692	16	95-96
5693	16	95-96
5694	16	95-96
572	**40**	**229, 232**
5725	20	281-282
5726	20	281-282
5727	20	281-282
5728	20	281-282
5729	20	281-282
574	48	227-228
574HRC	48	227-228
576	**40**	**229, 232**
577	48	229, 231-232
578	48	229, 231-232
5790	**48 pcs**	**292, 320**
5791	**48 pcs**	**292, 320**
5792	**48 pcs**	**292, 320**
5793	**48 pcs**	**292, 320**
581	48	229, 232
5823	**48**	**174, 184, 186, 194, 198, 124, 126, 128, 130, 146, 148, 155, 200**
583	48	229, 232
584	**48**	**229, 231-232**
5843	100 pcs	196
584HRC	**48**	**229, 231-232**
585	**48**	**233-234**
589	**48**	**229, 231-232**
589HRC	48	229, 231-232
590	48	233-234
5900CW7	3.7	181-182
5900CW8	3.7	181-182
5900CW9	3.6	181-182
5901CW7	4.63	181-182
5901CW8	4.63	181-182
5901CW9	4.49	181-182
5903W7	16	179-180
5903W8	16	179-180
5903W9	16	179-180
5904W7	16	177-178
5904W8	16	177-178
5904W9	16	177-178
591	**48**	**233-234**
5918W1	**Bulk**	**100**
5918W3	**Bulk**	**100**
5919W1	**Bulk**	**100**
5919W3	**Bulk**	**100**
5920W1	**Bulk**	**100**
5920W3	**Bulk**	**100**
5921W1	**Bulk**	**100**
5921W3	**Bulk**	**100**
5948	**30 pcs**	**196**
5965P1	8 pcs	144
5965P4	8 pcs	144
5979W1	Bulk	100
5983	8	183-184
5984	12	183-184
5985	16	183-184
5986	50	130
605	**48**	**225-226**
607	**48**	**225-226**
608	**48**	**225-226**
6091	**50 pcs**	**174, 200**
6096	95.57	157
6098	50 pcs	124, 126, 157
6099	**97.14**	**157**
6128AM		135-138
6129AM		135-138
6131AM		135-138
6132AM		135-138
6133AM		135-138
6136AM		135-138
6137AM		135-138
6138AM		135-138
6139AM		135-138
615H/V	Bulk	85-86
6188	**40**	**139-140**
6189	**40**	**139-140**
6193	**40**	**139-140**
6194	**40**	**139-140**
6225H/V	Bulk	85-86
625530	**4 pcs**	**84, 94, 97**
6258	Bulk	93-94
6259	Bulk	93-94
626	**48**	**233-234**
6260	Bulk	93-94

CEILING PRODUCTS ◆ SF per carton unless otherwise noted

Packaging information is subject to change. Before specifying or ordering, contact TechLine at 1 877 ARMSTRONG (276-7876).

Item No.	Sq. Ft.◆/ Ctn.	Page No.
6261	Bulk	93-94
628	**48**	**233-234**
630H/V	Bulk	85-86
6375H/V	Bulk	85-86
6408	**25**	**174, 184, 194, 199**
6410AM		135-138
6411AM		135-138
6412AM		135-138
6413AM		135-138
6414AM		135-138
6415AM		135-138
6416AM		135-138
6417AM		135-138
6418AM		135-138
6440W1		195-196
6447W1	22.5	281-282
6448M1	22.5	281-282
6448M2	22.5	281-282
6459		194
6459BL		188, 200
645H/V	Bulk	85-86
6460W1		195-196
6461	**64**	**121-124**
6462	**64**	**121-124**
6463	64	121-124
6464	**64**	**121-124**
6465	64	121-124
6466M1	**40**	**125-126**
6466M2	**40**	**125-126**
6466M3	**40**	**125-126**
6480	4	175-176
6482	8	175-176
6484	4	171-174, 340
6485	6	171-174
6486	8	171-174, 340
6487	12	171-174
6510		171-174, 340
6511		171-174, 340
6512		171-174, 340
6513		341
6514		341
6519		341
6525H/V	Bulk	85-86
6541	13.5	281-282
6603W1	60	184, 194, 199
6605		65
6607		65
660H/V	Bulk	85-86
6613	22.5	281-282
6614	22.5	281-282
6615	22.5	281-282
6616	22.5	281-282
6622	Bulk	197-198
6623	Bulk	197-198
6624	Bulk	197-198
6625	Bulk	197-198
6626	Bulk	197-198
662808	Bulk	185-186
662812	Bulk	185-186
662912	Bulk	185-186
663008	Bulk	185-186
663012	Bulk	185-186
663112	Bulk	185-186
6640W1	Bulk	195-196
6641		340
6642		340
6643		340
6644		340
6645		340
6646		340

Item No.	Sq. Ft.◆/ Ctn.	Page No.
6647M1		341
6648M1		341
6649M1		341
6650M1		341
6656M1	8 pcs	130
6657		**192, 200**
6660W1	Bulk	195-196
6661B1L5	4	149-150
6662B1L5	4	149-150
6664	Bulk	129-130
6665	Bulk	129-130
6666	Bulk	129-130
6667	Bulk	129-130
6668	Bulk	129-130
6680	Bulk	179-180
6681	Bulk	177-178
6682	Bulk	179-180
6683	Bulk	177-178
6684	Bulk	179-180
6685	Bulk	177-178
6686	Bulk	179-180
6687	Bulk	177-178
6688C	Bulk	181-182
6689C	Bulk	181-182
6690W1	Bulk	193-194
6691W1	Bulk	193-194
6692W1	Bulk	193-194
6693W1	Bulk	191-192
6694W1	Bulk	191-192
672	**96**	**267-268**
673	**64**	**267-268**
675H/V	Bulk	85-86
680	**48**	**279-280**
681	**48**	**279-280**
682	**48**	**279-280**
683	64	279-280
684	64	279-280
685	64	279-280
686	**48**	**279-280**
687	**48**	**279-280**
688	64	279-280
690H/V	Bulk	85-86
6STR	Bulk	85-86
7006	**2 pcs**	**84, 94, 97**
703	**80**	**243-244**
704	**64**	**243-244**
705	**64**	**262**
7085	8 pcs	54-55
7086	8 pcs	54-55
7087	16 pcs	54-55
7088	Bulk	56
7089	Bulk	56
7090	Bulk	56
7091		187-188
7092		187-188
7093		187-188
7094		187-188
7095		187-188
7096		187-188
7097		187-188
7098		187-188
7099		187-188
7110	Bulk	127-128
7111	Bulk	127-128
7112	10 pcs	128
7113	40 pcs	128
7119	1 pc	128
7120	1 pc	128
7121		**97**
7123	**10 pcs**	**127-128**

Item No.	Sq. Ft.◆/ Ctn.	Page No.
7125	80	146, 155-156
7131	48	155-156
7140	Bulk	127-128
7141	Bulk	127-128
7146	Bulk	192
7147		155-156
7149	1 kit	84
7154	Bulk	127-128
7155	Bulk	127-128
7156	Bulk	84
7157	Bulk	84
7158	Bulk	84
7159	Bulk	84
7160	48	131-132
7161	48	131-132
7162	50 pcs	134
7163	50 pcs	134
7170		188
7171		
7172		
7190		59-64
7191		59-64
7192		59-64
7193		59-64
7194		59-64
7195		59-64
7202	Bulk	57-58
7203	Bulk	57-58
7205	24 pcs	57-58
7209	Bulk	151-152
7210	Bulk	151-152
7211	Bulk	151-152
7212	Bulk	151-152
7213	Bulk	151-152
7215	Bulk	145-146
7216	Bulk	145-146
7217	Bulk	145-146
7219	Bulk	145-146
7220	Bulk	147-148
7220DN1	Bulk	147-148
7220DN2	Bulk	147-148
7220DN3	Bulk	147-148
7220DN4	Bulk	147-148
7220UP1	Bulk	147-148
7220UP2	Bulk	147-148
7220UP3	Bulk	147-148
7220UP4	Bulk	147-148
7223	10 pcs	128
7225	Bulk	151-152
7226	Bulk	151-152
7240		59-64
7241		59-64
7242		59-64
7243		59-64
7244		59-64
7245		59-64
7246		59-64
7247		59-64
7248		59-64
7249		59-64
7251M1		341
7252M1		341
7255M1		341
7256M1		341
7257M1		341
7258M1		341
7259M1		341
7260M1		341
7261M1		341
7262M1		341

Item No.	Sq. Ft.◆/ Ctn.	Page No.
7263	Bulk	187-188
7264	Bulk	187-188
7265	Bulk	187-188
7266	Bulk	187-188
734	80	248
735	64	248
737	64	248
741	**40**	**254**
746	**40**	**254**
747	64	243-244
755	**96**	**262**
756	**64**	**262**
763	**96**	**263-264**
764	**64**	**263-264**
769	**96**	**243-244**
770	**64**	**243-244**
772	**100**	**243-244**
773	**100**	**243-244**
791	75	263-264
793	**96**	**263-264**
794	**64**	**263-264**
795	**64**	**263-264, 305-306**
796	**48**	**263-264, 305-306**
8005	48	265-266
8006	48	265-266
8007	48	265-266
8008	**48**	**307-308**
8009	**32**	**307-308**
8010	**32**	**307-308**
8011	**48**	**269-270**
8013	**48**	**269-270**
8120	32	131-132
8121	32	131-132
8122	53	131-132
8123	53	131-132
8138	50 pcs	134
8139	50 pcs	134
815	**48**	**262**
8155		57-68
8156		57-68
8157		57-68
8159	50 pcs	134
815H/V	Bulk	85-86
816	**48**	**243-244**
8161	50 pcs	134
8183T10	32	229-330
8184T10	32	229-330
8185T10	32	331-332
8186T10	32	331-332
8190AM		135-138
8191AM		135-138
8192AM		135-138
8193AM		135-138
8194AM		135-138
8195AM		135-138
8196AM		135-138
8197AM		135-138
8198AM		135-138
8199AM		135-138
8200100	**48**	**124, 126, 174, 184, 194, 128, 130, 144, 146, 148, 150, 155, 156, 200**
8200AM		135-138
8201AM		135-138
8202AM		135-138
8203AM		135-138
8225H/V	Bulk	85-86
823	**48**	**243-244**
824	**64**	**243-244**
830H/V	Bulk	85-86

FastSize™ Items Availability indicated on product pages.

Service Category	Service Level	Availability	Details
Made-To-Stock Items (bold face type)	A	5-10 days	Item numbers noted in BOLD on this index
Made-To-Order Items (not inventoried)	C	20-30 days	–
Special Made-To-Order Items (not inventoried)	S	30 days plus	Minimum quantities and setup charges apply
Metric Items	–	30 days plus	Minimum quantities apply

CEILING PRODUCTS

Item No.	Sq. Ft.♦/ Ctn.	Page No.
8334PB	16	271-272, 341
8335PB	20	271-272, 341
8336PB	24	271-272, 341
8337PB	30	271-272, 341
8344PB	16	273-274, 341
8345PB	20	273-274, 341
8346PB	24	273-274, 341
8347PB	30	273-274, 341
8352PB	**96**	**273-274, 340**
8355PB	96	273-274, 340
8356PB	96	273, 276
8357PB	**96**	**273, 275-276, 340**
8359PB	75	273, 275-276, 340
8360PB	96	273-274, 340, 351
8361PB	96	273, 275-276, 340, 351
8365PB	100	273, 275-276, 340
8370PB	96	271-272, 339
8372PB	**96**	**271-272**
8373PB	**96**	**271-272**
8375H/V	Bulk	85-86
8376PB	75	273, 275-276
8377PB	48	273, 275-276, 340
8379PB	48	273, 275-276
8381PB	72	273, 275-276, 340
8382PB	96	273, 275-276, 340
8385PB	100	273, 275-276, 340
84008	4	124, 126, 157
8430	75	277-278
8431	72	277-278
8432	96	277-278
8433	96	277-278
8434	64	277-278
8450PB	72	271-272, 339
8452PB	75	271-272, 339
8453PB	100	271-272, 339
845H/V	Bulk	85-86
8461PB	70	273, 275-276, 340
8462PB	112	273, 275-276, 340
8463PB	117	273, 276, 340
8466PB	70	273, 276, 340
8525H/V	Bulk	85-86
8534	75	293-294
8535	72	293-294
8536	96	293-294
8537	96	293-294
8538	64	293-294
8539	96	293-294
860	**64**	**218**
860H/V	**Bulk**	**85-86**
861	**64**	**218**
868	**48**	**239-240**
869	48	239-240
870	**64**	**239-240**
871	64	239-240
8730PB	24	273-274, 340
8731PB	24	273-274, 340
8732PB	24	271-272, 339
8748PB	24	273-274
8749PB	24	273-274
8750PB	24	273-274
8751PB	24	273-274
8752PB	24	271-272
875H/V	Bulk	85-86
890H/V	Bulk	85-86
895	**64**	**262**
896	**64**	**262**
898	**64**	**263-264**
8STR	Bulk	85-86
FHDC	**10 pcs**	**124, 157**

Item No.	Sq. Ft.♦/ Ctn.	Page No.
FX4SPLICE		130, 157, 174, 200
FXSPLICE		157, 174, 200
FXSPTHDC	10 pcs	124, 126, 157
FXTBC		130, 157, 174, 200
FXVTBC		157, 174, 200
S295	48	237-238
S295	48	237-238
S400	8	237-238
S401	8	237-238
S410	8	237-238
S411	8	237-238
S412	8	237-238
S413	8	237-238
S414	8	237-238
S420	8	237-238
S421	8	237-238
S450	8	237-238
S451	8	237-238
S460	8	237-238
S461	8	237-238
S462	8	237-238
S463	8	237-238
S464	8	237-238
S470	8	237-238
S471	8	237-238
S500	8	237-238
S501	8	237-238
S502	8	237-238
S503	8	237-238
S510	8	237-238
S512	8	237-238
S550	8	237-238
S551	8	237-238
S552	8	237-238
S553	8	237-238
S560	8	237-238
S562	8	237-238
S600	8	237-238
S601	8	237-238
S602	8	237-238
S603	8	237-238
S604	8	237-238
S605	8	237-238
S650	8	237-238
S651	8	237-238
S652	8	237-238
S653	8	237-238
S654	8	237-238
S655	8	237-238
S700	8	237-238
S701	8	237-238
S702	8	237-238
S703	8	237-238
S704	8	237-238
S705	8	237-238
S706	8	237-238
S707	8	237-238
S708	8	237-238
S750	8	237-238
S751	8	237-238
S752	8	237-238
S753	8	237-238
S754	8	237-238
S755	8	237-238
S756	8	237-238
S757	8	237-238
S758	8	237-238
S800	8	237-238
S801	8	237-238
S802	8	237-238

Item No.	Sq. Ft.♦/ Ctn.	Page No.
S803	8	237-238
S804	8	237-238
S805	8	237-238
S850	8	237-238
S851	8	237-238
S852	8	237-238
S853	8	237-238
S854	8	237-238
S855	8	237-238
SH300404	1 kit	89-92
SH300406	1 kit	89-92
SH300408	1 kit	89-92
SH300410	1 kit	89-92
SH300412	1 kit	89-92
SH300604	1 kit	89-92
SH300606	1 kit	89-92
SH300608	1 kit	89-92
SH300610	1 kit	89-92
SH300612	1 kit	89-92
SH300804	1 kit	89-92
SH300806	1 kit	89-92
SH300808	1 kit	89-92
SH300810	1 kit	89-92
SH300812	1 kit	89-92
SH301004	1 kit	89-92
SH301006	1 kit	89-92
SH301008	1 kit	89-92
SH301010	1 kit	89-92
SH301012	1 kit	89-92
SH301204	1 kit	89-92
SH301206	1 kit	89-92
SH301208	1 kit	89-92
SH301210	1 kit	89-92
SH301212	1 kit	89-92
SH450404	1 kit	89-92
SH450406	1 kit	89-92
SH450408	1 kit	89-92
SH450410	1 kit	89-92
SH450412	1 kit	89-92
SH450604	1 kit	89-92
SH450606	1 kit	89-92
SH450608	1 kit	89-92
SH450610	1 kit	89-92
SH450612	1 kit	89-92
SH450804	1 kit	89-92
SH450806	1 kit	89-92
SH450808	1 kit	89-92
SH450810	1 kit	89-92
SH450812	1 kit	89-92
SH451004	1 kit	89-92
SH451006	1 kit	89-92
SH451008	1 kit	89-92
SH451010	1 kit	89-92
SH451012	1 kit	89-92
SH451204	1 kit	89-92
SH451206	1 kit	89-92
SH451208	1 kit	89-92
SH451210	1 kit	89-92
SH451212	1 kit	89-92
SV300404	1 kit	89-92
SV300406	1 kit	89-92
SV300408	1 kit	89-92
SV300410	1 kit	89-92
SV300412	1 kit	89-92
SV300604	1 kit	89-92
SV300606	1 kit	89-92
SV300608	1 kit	89-92
SV300610	1 kit	89-92
SV300612	1 kit	89-92
SV300804	1 kit	89-92

Item No.	Sq. Ft.♦/ Ctn.	Page No.
SV300806	1 kit	89-92
SV300808	1 kit	89-92
SV300810	1 kit	89-92
SV300812	1 kit	89-92
SV301004	1 kit	89-92
SV301006	1 kit	89-92
SV301008	1 kit	89-92
SV301010	1 kit	89-92
SV301012	1 kit	89-92
SV301204	1 kit	89-92
SV301206	1 kit	89-92
SV301208	1 kit	89-92
SV301212	1 kit	89-92
SV450404	1 kit	89-92
SV450406	1 kit	89-92
SV450408	1 kit	89-92
SV450410	1 kit	89-92
SV450412	1 kit	89-92
SV450604	1 kit	89-92
SV450606	1 kit	89-92
SV450608	1 kit	89-92
SV450610	1 kit	89-92
SV450612	1 kit	89-92
SV450804	1 kit	89-92
SV450806	1 kit	89-92
SV450808	1 kit	89-92
SV450810	1 kit	89-92
SV450812	1 kit	89-92
SV451004	1 kit	89-92
SV451006	1 kit	89-92
SV451008	1 kit	89-92
SV451010	1 kit	89-92
SV451012	1 kit	89-92
SV451204	1 kit	89-92
SV451206	1 kit	89-92
SV451208	1 kit	89-92
SV451208	1 kit	89-92
SV451212	1 kit	89-92
SVLTSH2	1 kit	87-88
SVLTSH4	1 kit	87-88
SVLTSH6	1 kit	87-88
SW300804	1 kit	89-92
SW300806	1 kit	89-92
SW300808	1 kit	89-92
SW300810	1 kit	89-92
SW300812	1 kit	89-92
SW301204	1 kit	89-92
SW301206	1 kit	89-92
SW301208	1 kit	89-92
SW301208	1 kit	89-92
SW301212	1 kit	89-92
SW450804	1 kit	89-92
SW450806	1 kit	89-92
SW450808	1 kit	89-92
SW450810	1 kit	89-92
SW450812	1 kit	89-92
SW451204	1 kit	89-92
SW451206	1 kit	89-92
SW451208	1 kit	89-92
SW451208	1 kit	89-92
SW451212	1 kit	89-92
Z1910UC1	16	245-247
Z1910UC1	16	245-247
Z1912UC1	16	245-247
Z1920UC1	16	245-247
Z1935UC1	16	245-247
Z1936UC1	16	245-247
Z33520C1	16	245-247
Z39010C1	16	245-247

SUSPENSION PRODUCTS

◆ SF per carton unless otherwise noted

Packaging information is subject to change. Before specifying or ordering, contact TechLine at 1 877 ARMSTRONG (276-7876).

Item No.	Ln. Ft./ Ctn.	Page No.
414	100 pcs	200, 218, 406
5370		196
5371		196
56418	240	64, 383
56419	120	64, 383
56421	240	64, 383
5670		65
5986		184, 194
6091		130, 184, 194
6100HRC	**240**	**342, 353, 385-386**
6101	240	398
6101HRC	**240**	**342, 353, 385-386**
6121HRC	240	254, 342
6122HRC		342
6123HRC		342
6127HRC	200	254, 342
6132HRC	220	342
6187HRC		342
6197HRC		342
61D4SK24		353
6501	**144**	**399**
6651AB		55-56
6655		55-56, 64
7123		184, 194
7126	10 pcs	146, 155-156
7127		146
7129		155
7130		76
7131	10 pcs	155
7132	100 pcs	146
7133	100 pcs	146
7137AB		55-56
7177	10 pcs	134
7204		58
7205	24 pcs	58
7237	50 pcs	134
7239		157, 199, 416, 420
7300	**240**	**342, 387-388, 391-392**
730098HRC	**85**	**397-398**
7301	**240**	**64, 342, 387-388, 391-392**
730102HRC	**85**	**397-398**
730136	**240**	**383**
730144HRC	**120**	**397-398**
730145	120	393-394
7301G90	**240**	**155, 390**
7301HRC	**240**	**391-392**
7301TS	240	155
7302	200	388, 391-392
7305	**233**	**391-392**
7306	226	342, 391-392
7307	210	391-392
7418	300	387
7425	**100 pcs**	**199, 278, 290, 294, 320, 405, 406**
7426	250	387
7427	300	387
7428	300	387
7445	**100 pcs**	**199, 278, 290, 294, 320, 387, 405, 406**
7446	500	387
7447	300	387
7486	**500 pcs**	**387**
7500	**240**	**342, 400-401**
7501	**240**	**342, 353, 383, 398, 400-401**
750106		345-346
7501HRC	**240**	**400-401**
7502	**200**	**353, 400-401**
7504	200	342, 400-401
7505	166	342, 400-401
7507	240	342, 400-401
7508	220	342, 400-401
7512		342
7536		342
7588		342
75D4SK24		353
7600	**240**	**395**
76008	**240**	**396**
7601	**240**	**353, 395, 398**
760106		345-346
76018	**240**	**353, 396, 398**
7602	200	353, 395
76028	200	353, 396
7603	240	395
76038	**240**	**396**
7606	200	395
76068	200	396
7611		342
7612	**240**	**353, 395**
76128	**240**	**396**
7613		342
7619		342
7621		342
7622		342
7626		342
7637		342
7638		**342**
7639		342
768D4SK24		353
76D4SK24		353
7800	**360**	**643, 833, 886, 433, 92, 400, 156, 343**
780036	**360**	**383**
7800HRC	**360**	**346, 386, 392, 403**
7802	**300**	**403**
7803	**360**	**403**
7804	**360**	**343, 395-396, 401, 403**
780410	300	403
7804BL	360	174, 200
7804HRC	**300**	**346, 386, 401, 403**
7805	300	403
7805BL	300	200
7807	**100**	**392, 403**
7808	**100**	**343, 392, 401, 403**
780812	**120**	**392, 403**
7809	**360**	**388, 403**
7813	200	403
7814	**50**	**403**
7816	**50**	**403**
7818	**50**	**403**
7821	**360**	**399**
7823	100	402
7823BL	100	200
7830	**160**	**387, 402**
7831	200	402
7834	240	402
7835	**200**	**156, 387-388, 401-402**
7835SC	150	156, 402
7838	200	431
7842	400	130, 403
7843	400	403
7850	**300**	**392, 401, 403**
7851	**360**	**392, 401, 403**
7852	200	403
7856	200	403
7857	360	403
7858	240	403, 431
7861	**100 pcs**	**402**
7862	**100 pcs**	**402, 406**
7864	**100 pcs**	**406**
7866	**100 pcs**	**406**
7867	**100 pcs**	**406**
7869	**50 pcs**	**406**
7870	**1,000 pcs**	**272, 274, 278, 290, 294, 156, 370, 387**
7871	**300**	**402**
7872	20 pcs	405
7873	**300**	**386, 395-396, 401-402**
7874	**300**	**386, 401-402**
78740C	**100 pcs**	**402, 406**
7874IC	**100 pcs**	**402**
7875	**300**	**392, 343, 402**
7876	1 pc	405
7877	**300**	**343, 386, 392, 395-396, 401-402**
78770C	**100 pcs**	**402, 406**
7877IC	**100 pcs**	**402**
7878	**300**	**386, 392, 402**
78780C	**100 pcs**	**402, 406**
7878IC	**100 pcs**	**402**
7880	**96**	**402**
7882	**96**	**402**
7884	**96**	**402**
7885	**96**	**402**
7887	96	402
7888	**300**	**386, 392, 402**
7889	300	386, 401-402
7890	96	402
7891	**100 pcs**	**147, 188, 192, 200, 406**
7897	**300**	**392, 343, 402**
7898	96	402
7901	**120**	**404**
7902	**120**	**404**
7903	**120**	**404**
7904	**120**	**404**
7905	**120**	**270**
7906	**120**	**404**
7907	**120**	**404**
7908	**120**	**404**
8300	**240**	**391-292**
8301	**240**	**391-292**
8500	**240**	**400-401**
8501	240	400-401
90		90
90190A242	100 pcs	130
92715A620		174, 188, 192, 196, 200
ABSC	250 pcs	405
AC1210	**1 pc**	**406**
AC1215	1 pc	406
AC1220	1 pc	406
ACHC	**1 pc**	**406**
AL7200	**240**	**389**
AL7801	**300**	**389, 403**
ALBERC2	**200 pcs**	**384, 389, 405**
ARBRKT	**80 pcs**	**64**
ARPLUG	**80 pcs**	**405**
AX10CUR		415
AX10ISCP		**416**
AX10OSCP	**1**	**416**
AX10QS0S		**416**
AX10QSIS	**2**	**416**
AX10STR	10	415
AX10WEC		421
AX12CUR		415
AX12ISCP		**416**
AX12OSCP		**416**
AX12QS0S		**416**
AX12QSIS		**416**
AX12STR	10	415
AX12WEC		421
AX14QS0S		416
AX14QSIS		416
AX14STR	10	415
AX15DSCCUR		424
AX15DSCSTR		**424**
AX16QS0S		416
AX16QSIS		416
AX16STR	10	415
AX1PC2CUR		417
AX1PC2STR	10	417
AX1PC4CUR		417
AX1PC4STR	10	417
AX1PC6CUR		417
AX1PC6STR	10	417
AX2CUR		415
AX2HGC		355, 371, 416, 420
AX2ISCP		**416**
AX2OSCP		**416**
AX2QS0S	**2**	**416**
AX2QSIS	**2**	**416**
AX2STR	10	415
AX2VECUR		426
AX2VEISCP		**426**
AX2VEOSCP		**426**
AX2VEQSIS	2	426
AX2VEQSOS	2	426
AX2VESTR	10	156, 426
AX2WEC		421
AX4CUR		415
AX4ISCP		**416**
AX4OSCP		**416**
AX4QS0S	**2**	**416**
AX4QSIS	**2**	**416**
AX4SPLICE		**355, 358, 362, 418, 420**
AX4SPLICEB		416, 419, 421-423, 425-426
AX4STR	10	415
AX4VECUR		426
AX4VEISCP		**426**
AX4VEOSCP		**199, 426**
AX4VEOSCPBL		186
AX4VEQSIS	2	199, 426
AX4VEQSISBL		186
AX4VEQSOS		426
AX4VESTR	10	156, 199, 426
AX4VESTRBL		186
AX4WEC		421
AX6CUR		415
AX6ISCP		**416**
AX6OSCP		**416**
AX6QS0S		**416**
AX6QSIS	**2**	**416**
AX6STR	10	415
AX6VECUR		426
AX6VEISCP		**426**
AX6VEOSCP		**199, 426**
AX6VEOSCPBL		186
AX6VEQSIS	2	199, 426
AX6VEQSISBL		186
AX6VEQSOS		426
AX6VESTR	10	156, 199, 426
AX6VESTRBL		186
AX6WEC		421
AX8CUR		415
AX8ISCP		**416**
AX8OSCP		**416**
AX8QS0S		**416**
AX8QSIS		**416**
AX8STR	10	415
AX8VECUR		426
AX8VEISCP		426
AX8VEOSCP		426
AX8VEQSIS		426
AX8VEQSOIS		426
AX8VESTR		426
AX8WEC		421
AXAC		**416, 422**
AXALIGN		422
AXBT		372
AXBTCUR		417
AXBTSTR	10	355, 362, 371, 417, 425
AXCCLT		**368, 374, 418-419, 425**
AXCCLT45		**356, 372**
AXCCLTW		**90**
AXCNCV	10	422
AXCNCVIS		422
AXCNCVOS		422
AXCNVX	10	422
AXCNVXIS		422
AXCNVXOS		422
AXCOVE	10	422
AXCOVEIS		422
AXCOVEOS		422
AXCPCI		362
AXCPIV		362
AXCRWN	10	422
AXCRWNIS		422
AXCRWNOS		422
AXDLC44		355
AXDLC46		355
AXDWT	10	358, 420, 422
AXFFP4		362
AXFFP6		362
AXGC		374, 418
AXGCAD		418
AXGCD		418
AXGCS		418

SUSPENSION SYSTEMS

Item Number Index

FastSize™ Items Availability indicated on product pages.

Service Category	Service Level	Availability	Details
Made-To-Stock Items (bold face type)	A	5-10 days	Item numbers noted in BOLD on this index
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SUSPENSION PRODUCTS

Item No.	Ln. Ft./ Ctn.	Page No.
AXGCV		418
AXIDL		356
AXIDLCWC		**356, 372**
AXKE2STR	10	420
AXKE5IC		420
AXKE5OC		420
AXKE5STR		420
AXKEALIGN		420
AXKEVE2STR	10	420
AXKEVE90IC	2	420
AXKEVE90OC	2	420
AXLD2QSIS		419
AXLD2QSOS		419
AXLD2STR		419
AXLD4QSIS		419
AXLD4QSOS		419
AXLD4STR		419
AXLD6QSIS		419
AXLD6QSOS		419
AXLD6STR		419
AXM34CUR		427
AXM34STR	250	427
AXM5050CUR		427
AXM5050STR	250	427
AXM5075CUR		427
AXM5075STR	250	427
AXM7575CUR		427
AXM7575STR	250	427
AXMCUR		427
AXMSTR	150	427
AXP236	20	360
AXP255		360
AXP255C		360
AXP255CISC		360
AXP255COSC		360
AXP255ISC		360
AXP2550SC		360
AXP3543E		359, 362
AXP355		358-359, 366
AXP3552	20	343
AXP355C		358
AXP355CISC		358-359
AXP355COSC		359
AXP355ISC		359
AXP355L		**363**
AXP355LE		363
AXP355LECL		**363**
AXP355LECR		**363**
AXP355LEEC		**363**
AXP355LSECL		**364**
AXP355LSECR		**364**
AXP3550SC		359
AXP355S	20	358-359
AXP355S0SC		359
AXP355SISC		359
AXPAP		**421**
AXPCC2	10	358, 362
AXPCC3	10	362, 366
AXPCC3L		363-364
AXPDFP4	10	361
AXPDFP4DT	10	361
AXPDFP4DTSLA	10	361
AXPDFP4DTSLB	10	361
AXPDFP4SLA	10	361
AXPDFP4SLB	10	361
AXPDFP54		361
AXPDFP54SLA		361
AXPDFP54SLB		361
AXPDFP7	10	361
AXPDFP7DT	10	361
AXPDFP7DTSLA	10	361
AXPDFP7DTSLB	10	361
AXPDFP7SLA	10	361
AXPDFP7SLB	10	361
AXPDFPS7	20	361
AXPDFPS7SLA	20	358
AXPDLC44		371
AXPDLC44ECL		355
AXPDLC44ECR		355
AXPDLC46ECL		355
AXPDLC46ECR		355
AXPEP4	10	361
AXPEP4H	60	361
AXPEP6	10	361
AXPEP8	10	358, 361
AXPEPS6	60	361
AXPFG		**358, 362, 366**
AXPHANG118		**421**
AXPHANG58		**421**
AXPNP125A		360
AXPNP34A		**360**
AXPNP34NR		360
AXPNP38D	1 pc	360
AXPNPD	1 pc	360
AXPNPFPA		360
AXPSPLINE	**10**	**358, 362**
AXPWC	100	362
AXPWCCP	1 pc	355, 362, 371
AXPWCCP2		**355, 364**
AXSEC2INCNR		423
AXSEC2OSCNR		423
AXSEC2STR	10	423
AXSEC4INCNR		423
AXSEC4OSCNR		423
AXSEC4STR	10	423
AXSER20CCNR		423
AXSER2CUR		
AXSER2INCNR		423
AXSER2STR	10	423
AXSER40CCNR		423
AXSER4CUR		423
AXSER4INCNR		423
AXSER4STR	10	423
AXSER8CUR		423
AXSER8INCNR		423
AXSER8OCCNR		423
AXSER8STR		423
AXSES2CUR		423
AXSES2INCNR		423
AXSES2OSCNR		423
AXSES2STR	10	423
AXSES4CUR		423
AXSES4INCNR		423
AXSES4OSCNR		423
AXSES4STR	10	423
AXSJ	120	405
AXSPLICE		**186, 199, 416**
AXSPTHDC		**90, 355, 371, 420, 422**
AXTBC		**186, 199, 355-358, 362, 364, 366-368, 371-372, 416, 420, 422-423, 425**
AXTBC2		426
AXTR10CUR		425
AXTR10QSIS		425
AXTR10QSOS		425
AXTR10STR		**425**
AXTR2CUR		425
AXTR2QSIS		425
AXTR2QSOS		425
AXTR2STR	10	425
AXTR4CUR		425
AXTR4QSIS		425
AXTR4QSOS		425
AXTR4STR	10	368, 425
AXTR6CUR		425
AXTR6QSIS		425
AXTR6QSOS		425
AXTR6STR	10	425
AXTR7901CUR		424
AXTR7901STR		**424**
AXTR7902CUR		424
AXTR7902STR		**424**
AXTR7904CUR		424
AXTR7904STR		**424**
AXTR7905CUR		424
AXTR7905STR		**424**
AXTR7906CUR		424
AXTR7906STR		**424**
AXTR7907CUR		424
AXTR7907STR		**424**
AXTR7908CUR		424
AXTR7908STR		**424**
AXTR7909CUR		424
AXTR7909STR		**424**
AXTR7910CUR		424
AXTR7910STR		424
AXTR8CUR		425
AXTR8QSIS		425
AXTR8QSOS		425
AXTR8STR	10	425
AXTRTECUR		**343**
AXTRTESTR	10	343
AXTRVESTR	10	424
AXTRXCUR		343
AXTRXSTR		343
AXVE2WEC		421
AXVE4WEC		421
AXVE6WEC		421
AXVTBC		**420**
B4	1,000 pcs	146
BACG90	250 pcs	346, 390, 406
BERC	**200 pcs**	**405**
BERC2	200 pcs	384, 392, 398, 405
BERCAXT		358, 362
C1430	**200 pcs**	**405**
CBS10	**100 pcs**	**405**
CBS12	**75 pcs**	**405**
CBS2004	**75 pcs**	**405**
CBS2006	**75 pcs**	**405**
CBS2008	**75 pcs**	**405**
CBS4	**100 pcs**	**405**
CBS6	**100 pcs**	**405**
CBS8	**100 pcs**	**405**
CHDC	**50 pcs**	**157, 200, 384, 406**
DC750106		345-346
DC750108		345-346
DC750110		345-346
DC750112		345-346
DC760106		345-346
DC760108		345-346
DC760110		345-346
DC760112		345-346
DCINS		**346**
DDC	**250 pcs**	**437**
DGSLLTK120		350
DGSLLTK24		350
DGSLLTK30		350
DGSLLTK48		350
DGSLLTK60		350
DGSLLTK72		350
DGSLLTK90		350
DGSLLTK96		350
DGSLLTKCON		350
DLCC	**250 pcs**	**405, 437**
DW30C	**250 pcs**	**438**
DW45C	**250 pcs**	**438**
DW50AG	**125 pcs**	**438**
DW50LT	**125 pcs**	**406, 438**
DW58AG	**125 pcs**	**438**
DW58LT	**125 pcs**	**438**
DW60C	**250 pcs**	**438**
DW90C	**250 pcs**	**370, 438**
DWACS	**100 pcs**	**438**
DWC	**250 pcs**	**405, 437**
EA7812	**360**	**384**
EA7813	**360**	**384**
EA7900	**240**	**384**
EA7903	**144**	**384**
EA7920	**120**	**384**
EA7927	**72**	**384**
EA7940	**240**	**384**
EA7947	**144**	**384**
EHDC50	**125 pcs**	**406, 437**
EHDC58	**125 pcs**	**406, 437**
EHDC75	**125 pcs**	**406, 437**
ES4	**100 pcs**	**405**
ES49	**100 pcs**	**405**
ES76004	**100 pcs**	**405**
ES76008	**100 pcs**	**405**
ES7801	**30 pcs**	**384**
ES7901	**240**	**384**
ES7920	**120**	**384**
ES7940	**240**	**384**
FTP24ZW	24 pcs	278, 294
FTP48ZW	24 pcs	278, 294
FTP4ZW	24 pcs	278, 294
FTP62W	24 pcs	278, 294
FTP96ZW	24 pcs	278, 294
FZ414	**50 pcs**	**200, 406**
FZ7861	**50 pcs**	**406**
FZ7862	**50 pcs**	**406**
FZ7863	**50 pcs**	**406**
FZ7864	**50 pcs**	**406**
FZ7865	**50 pcs**	**406**
FZ7866	**50 pcs**	**406**
FZ7867	**50 pcs**	**406**
FZ7874IC	**50 pcs**	**406**
FZ7877IC	**50 pcs**	**406**
FZ7878IC	**50 pcs**	**406**
FZ8740C	**50 pcs**	**406**
FZ8770C	**50 pcs**	**406**
FZ8780C	50 pcs	406
FZABSC	**50 pcs**	**405**
FZALBERC2	**50 pcs**	**405**
FZBAGG90	50 pcs	406
FZBERC	**50 pcs**	**405**
FZBERC2	**50 pcs**	**392, 405**
FZC1430	**50 pcs**	**405**
FZD4YKLP		**353**
FZDDC	50 pcs	437
FZDLCC	**50 pcs**	**405, 437**
FZDW30C	**50 pcs**	**438**
FZDW45C	**50 pcs**	**438**
FZDW50LT	**50 pcs**	**406, 438**
FZDW58LT	**50 pcs**	**438**
FZDW60C	**50 pcs**	**438**
FZDW90C	**50 pcs**	**438**
FZDWACS	**50 pcs**	**438**
FZDWC	**50 pcs**	**405**
FZEHDC50	**50 pcs**	**406, 437**
FZEHDC58	**50 pcs**	**406, 437**
FZEHDC75	**50 pcs**	**406, 437**
FZES4	**50 pcs**	**405**
FZES49	**50 pcs**	**405**
FZES76004	**50 pcs**	**405**
FZES76008	**50 pcs**	**405**
FZGC3W	**50 pcs**	**405**
FZGCWA	**50 pcs**	**392, 405**
FZGSC12	**50 pcs**	**405, 438**
FZGSC16	**50 pcs**	**405, 438**
FZGSC9	**50 pcs**	**405, 438**
FZIES3	**50 pcs**	**405**
FZIHC	**50 pcs**	**393**
FZIJC	50 pcs	393
FZLFC	50 pcs	406
FZMBAC	50 pcs	437
FZMCC4	**50 pcs**	**405**
FZMCC8	**50 pcs**	**405**
FZPMHDC	**50 pcs**	**393**
FZPMLC	**50 pcs**	**393**
FZQSUTCA	**50 pcs**	**437**
FZRC1	**50 pcs**	**438**
FZRC2	**50 pcs**	**432, 438**
FZSHC	**50 pcs**	**393**
FZSJCG	**50 pcs**	**405**
FZSJCSI	**50 pcs**	**405**
FZSJMR15	**50 pcs**	**405**
FZSJMR9	**50 pcs**	**405**
FZSTAC	**50 pcs**	**392, 405**
FZTLMBS	**50 pcs**	**393**
FZTZYK	**50 pcs**	**405**
FZUHDC	50 pcs	157, 200
FZUHDCA	**50 pcs**	**406**
FZUPC	**50 pcs**	**405**
FZUTC	**50 pcs**	**405**
FZXTAC	50 pcs	393, 405, 437
GA7327	60 pcs	406
GC3W	250 pcs	88, 405
GCWA	**250 pcs**	**392, 405**
GSC12	**100 pcs**	**405, 438**
GSC16	**100 pcs**	**405, 438**
GSC9	**100 pcs**	**405, 438**
HD7801	**300**	**390, 403**
HD7801G90	**300**	**390, 403**
HD7831WA	200	402
HD8201	**240**	**390**
HD8906	**144**	**142, 429-431**
HD890610		**429-431**
HD8906F08	**144**	**432**

Item Number Index

SUSPENSION PRODUCTS

◆ SF per carton unless otherwise noted

Packaging information is subject to change. Before specifying or ordering, contact TechLine at 1 877 ARMSTRONG (276-7876).

Item No.	Ln. Ft./ Ctn.	Page No.
HD8906F16	144	432
HD8906G90		**429-431**
HD8906HRC	144	429-431
HD8906IIC		**429-431**
IES3	**200 pcs**	**405, 419**
IHC	**100 pcs**	**348, 393**
IIC	**36 pcs**	**437**
IJC	250 pcs	348, 393
KAM10	**100**	**431, 435**
KAM12	**120**	**367, 370, 376, 431, 433**
KAM12G90	**120**	**431, 435**
KAM12HRC	120	431, 433, 435
KAM1510	**100**	**431, 433, 435**
KAM151020	**100**	**431, 435**
KAM151020E	**100**	**431**
KAM151020EQ		435
KAM1512	**120**	**431, 433, 435**
KAM151220E		431
KAM151220EQ		435
KAM1520G90		435
KAM1525G90		435
KAM21020	**100**	**431, 435**
KAM21020EQ	**100**	**431, 435**
KAM21025	**100**	**431, 435**
L0608T		351
L0808T		351
L0810T		351
L1010T		351
LAM12	**240**	**376, 431, 433, 435**
LAM12G90		**431, 433**
LAM12HRC	240	431, 433, 435
LCB4		349
LFC	**50 pcs**	**406**
LSB10HRC	100	398
LSB12HRC	120	398
LSB4HRC	40	398
LSB6HRC	60	398
LSB8HRC	80	398
M311081	100 pcs	142
M330003A	10 pcs	142
M330005A	10 pcs	142
M330011A	10 pcs	142
MBAC	**70 pcs**	**437**
MCC4	**100 pcs**	**405**
MCC8	**100 pcs**	**405**
ML7323	**120**	**387-388**
ML7343	**240**	**387-388**
ML7357	**300**	**388**
ML7520	**240**	**400-401**
ML7540	**120**	**400-401**
MPT4500	250	146
PMHDC	100 pcs	393
PMLC	**100 pcs**	**348, 393**
QS612	144	433
QS612G90		433
QS812	144	433
QS812G90		433
QSLPM12	144	376, 433-434, 436
QSLPM12G90		433-434
QSUTC	**150 pcs**	**64, 434**
RC1	**200 pcs**	**438**
RC2	**205 pcs**	**373, 432, 438**
RC2BL	205 pcs	188, 196
S45	250 pcs	146
S7708P	**96**	**434-435**
S7708PG90		434-435
S7710	120	434-435
S7710G90		434-435
S7712P	**144**	**434-435**
S7712PG90		434-435
S7712PHRC	144	434-435
S7714P	**168**	**434-435**
S7714PG90		434-435
S7714PHRC	168	434-435
SB12	12 pcs	405, 435-436
SB12G90	12 pcs	405, 435
SCXT24MR		90
SCXT24SPT		90
SCXT24SPT2		90
SH12	200 pcs	184, 186, 194, 200, 398, 90, 130
SHC	**144 pcs**	**348, 393**
SJCG	**200 pcs**	**405**
SJCSI	**200 pcs**	**405**
SJMR15	**100 pcs**	**405**
SJMR9	**100 pcs**	**405**
SP135	135	430
SPEED CLIP		90
SPTOSCP		90
SPTSPLICE		90
SS7200	**240**	**389**
SS7801	**300**	**389, 403**
STAC	**120 pcs**	**64, 343, 392, 405**
SWA9854HRC	144	398, 403
SWA9878HRC	144	375, 393-394, 398, 403
TBSL		
TLMBS		348
TZ7501		342
TZ7504		342
TZBC		343
TZXL7504		342
TZXL7506		342
TZXL7510		342
TZXL7520		342
TZXL7541		342
TZXL7556	280	342, 400-401
TZXL7558		342
TZXL7562		342
TZXL7564		342
TZXL7567		342
TZXL7568		342
TZXL7570		342
TZYK	100 pcs	343, 405
UHDC	1,000 pcs	157, 200, 390
UHDCA	**1,000 pcs**	**406**
UPC	**200 pcs**	**346, 405**
WS12	**1,000 pcs**	**406**
XL61001HRC		353
XL6104HRC	20	342, 385-386
XL6106HRC	30	342, 385-386
XL6110HRC	120	342, 385-386
XL6120	120	398
XL6120HRC	**120**	**342, 353, 385-386**
XL6127HRC	210	385-386
XL6128HRC		342
XL6140	240	398
XL6140HRC	**240**	**342, 353, 385-386**
XL6150HRC	**300**	**342, 385-386**
XL6156HRC		342
XL6161HRC	105	342
XL6162HRC	210	342, 385-386
XL6163HRC		342
XL6164HRC	270	342, 385-386
XL6167HRC	135	342, 385-386
XL6168HRC		342
XL6170HRC	**150**	**342, 385-386**
XL6180HRC	**160**	**342, 385-386**
XL6190HRC	**120**	**342, 385-386**
XL6195HRC	210	385-386
XL619HRC		342
XL6511	36	399
XL6521	**72**	**399**
XL6531	**90**	**399**
XL6541	**144**	**399**
XL6561	**180**	**399**
XL7304	**20**	**342, 391-392**
XL7306		342
XL7318	**120**	**391-392**
XL732036	**120**	**383**
XL7321G90	**120**	**155, 390**
XL7325	60	393-394
XL7328	**120**	**342, 387, 391-392, 398**
XL7330	180	391-392
XL7340	**240**	**342, 391-392**
XL734036	**240**	**383**
XL7341	**240**	**64, 155, 342, 391-392, 398**
XL7341G90	**240**	**155, 390**
XL7341HRC	**240**	**391-392**
XL7342	**240**	**387, 391-392**
XL7345	120	393-394
XL7348	**240**	**391-392**
XL7357	**300**	**391-392**
XL7358	**300**	**342, 391-392**
XL7368	**100**	**391-392**
XL7378	**150**	**155, 342, 391-392**
XL7380	**160**	**342, 391-392**
XL7390	**120**	**342, 391-392**
XL7390TS		155
XL7398	90	391-392
XL7504	20	342, 400-401
XL7506	30	342, 400-401
XL7510	**120**	**342, 400-401**
XL7520	**120**	**342, 353, 383, 391, 400-401**
XL7520HRC	**240**	**400-401**
XL7528	140	342, 400-401
XL7530	180	400-401
XL7540	**240**	**342, 383, 400-401**
XL7541HRC	**240**	**400-401**
XL7549	**240**	**342, 353, 398, 400-401**
XL7556	280	342
XL7558	**300**	**342, 400-401**
XL7561	105	342, 400-401
XL7562	210	342, 400-401
XL7563		342
XL7564	270	342
XL7567		342
XL7568		342
XL7569		342
XL7570	**150**	**342, 400-401**
XL7580	**160**	**342, 400-401**
XL7590	**120**	**342, 400-401**
XL7604	20	342, 395
XL76048	20	396
XL7606	20	342, 395
XL7610	**120**	**395**
XL76108	**120**	**396**
XL7620	**120**	**342, 353, 395**
XL76208	**120**	**353, 396, 398**
XL7621		342
XL7640	**240**	**342, 395, 398**
XL76408	**240**	**396**
XL7645	**240**	**342, 353, 395, 398**
XL76458	**240**	**353, 396, 398**
XL7646	**240**	**342, 395**
XL76468	**240**	**396**
XL7650	150	395
XL76508	150	396
XL7651	150	342, 395
XL7652		342
XL7653		342
XL7654	150	342, 395
XL7655	150	342, 395
XL76558	150	396
XL7656		342
XL7663		342
XL7670	**150**	**342, 395**
XL76708	**150**	**396**
XL7680	**160**	**342, 395**
XL76808	**160**	**396**
XL7690	**120**	**342, 395**
XL76908	**120**	**396**
XL7936G90	**108**	**429-432**
XL8223	**120**	**390**
XL8240	**240**	**390**
XL8320	**120**	**64, 155, 392**
XL8320HRC	**120**	**391-392**
XL8323	**120**	**391-392**
XL8340	**240**	**259**
XL8341	**240**	**391-392**
XL8520	**120**	**400-401**
XL8540	240	400-401
XL8926	**72**	**429-432**
XL8926G90		**429-432**
XL8945G90		429-431
XL8945HRC	144	429-432
XL8945PG90		**432**
XL8945PHRC		429-432
XL8947G90		429-431
XL8947P	**150**	**429-432**
XL8947PG90		432
XL8965	**216**	**429-432**
XL8965HRC	**216**	**429-432**
XLAL7220	**120**	**389**
XLAL7240	**240**	**389**
XLSS7220	**120**	**389**
XLSS7240	**240**	**389**
XTAC	**100 pcs**	**369, 375, 384, 393, 398, 343**
XTACAG	**100 pcs**	**405**

WALLS PRODUCTS

Item No.	Page No.
3104	452
3107	**452**
3108	**452**
3154	452
32061	450-451
32081	450-451
32091	450-451
32101	450-451
3856	462
40060	450-451
40080	450-451
40090	450-451
40100	450-451
4062	462
4064	462
4065A	462
5800	457-458
5801	457-458
5802	457-458
5803	457-458
5804	457-458
5805	457-458
5814	453-454
5818	453-454
5819	453-454
5820	453-454
5824	460
5845	459
5850	462
5858	462
5860	462
5861	462
5862	462
5863	462
5863NA	462
5864	462
5866	462
5866	462
5900W	455-456
5901W	455-456
5970	457-458
5971	457-458
5972	457-458
5973	457-458
5974	457-458
5975	457-458
6688W	455-456
6689W	455-456
5855	349
585508	349
5856	349
585608	349
5857	349
5858	350
5859	349
5860	350
5861	350
5862	350
5863	350
5863NA	350
5864	350
5866	350
5866	350
5867	349
5900W	343-344
5901W	343-344
5907	349
5927	346
6408	349
663910	349
6688W	343-344
6689W	343-344

CEILINGS, SUSPENSION SYSTEMS & WALLS

Alphabetical Index

CEILING PRODUCTS

	Page No.
A	
ALTITUDES® Custom Ceiling Systems	219-220
ARMATUFF® ceiling panels	218
B	
BLADES™ & BAFFLES At-A-Glance	53-54
C	
CALLA® ceiling panels	221-222
CANYON® ceiling panels	223-224
Canopies and Clouds At-A-Glance	69-70
CAPZ™ acoustical ceiling panels	104-106
Portfolio At-A-Glance	43-46
Ceiling Selector Charts	47-50
Ceiling/Suspension Interface Drawings	407-411
CERAMAGUARD® & FINE FISSURED™ CERAMAGUARD® ceiling panels	225-226
CIRRUS® High NRC ceiling panels	227-228
CIRRUS® Open Plan ceiling panels (Refer to CIRRUS® High NRC)	
CIRRUS® Profiles ceiling panels – Beveled, Chamfered & Classic Step	233-234
CIRRUS® Second Look® ceiling panels	235-236
CIRRUS® Square Lay-in ceiling panels	227-228
CIRRUS® Tegular ceiling panels	229-232
CIRRUS® Themes™ ceiling panels – Critters™, Stars™, Things That Fly™, Under the Sea™	237-238
Clean Room™ FL & Clean Room VL ceiling panels	239-240
Colorations®	241-242
Common conditions – Corridors	375-376
Common conditions – Flat and Curved Drywall	373
Common conditions – Interior Glass Partitions	374
Common conditions – Light Coves and Pockets	371-372
Common conditions – Soffits & Bulkheads	370
Common conditions – Transitions	367-369
Common conditions – Windows	366
CORTEGA® Square Lay-in & Tegular ceiling panels	243-244
CORTEGA® Second Look® ceiling panels	243-244
CREATE!™ ceiling panels	245-247
D	
DESIGNER™ ceiling panels	248
Direct-to-Deck At-A-Glance	103
DUNE™ Second Look® ceiling panels	251-252
DUNE™ Square Lay-in ceiling panels	249-250
DUNE™ Tegular ceiling panels	249-250
E	
Effects™ Wood Looks finishes (Refer to METALWORKS™)	
F	
FastSize™ Program	253
FINE FISSURED™ Tegular ceiling panels	257-260
FINE FISSURED™ Tile	254
FINE FISSURED™ High NRC ceiling panels	255-260
FINE FISSURED™ Open Plan ceiling panels (Refer to FINE FISSURED™ High NRC)	
FINE FISSURED™ Second Look®	261
FINE FISSURED™ Square Lay-in ceiling panels	255-260
FISSURED™ ceiling panels	262
FORMATIONS™ Clouds	71-82
G	
GEORGIAN™ ceiling panels	263-264
GRAPHIS® Finetex™ ceiling panels	265-266
GRAPHIS® Rustex™ ceiling panels	265-266
H	
Hardware Friendly Options (Refer to CIRRUS®)	
I	
INFUSIONS® Blades – Concepts™ panels	55
INFUSIONS® Canopies	83
INFUSIONS® Lay-in ceiling panels	207-210
INFUSIONS® Shapes Clouds	84
INFUSIONS® Wings Clouds	armstrongceilings.com
INTEGRATED SOLUTIONS At-A-Glance	335
K	
KITCHEN ZONE™ ceiling panels	267-268
L	
LEDGES® ceiling panels	269-270
Linear Lighting – Drywall	350
Linear Lighting – Acoustical Ceilings	349
Linear Lighting – Acoustical Clouds	351
Linear Lighting – Zero Plenum T–Bar LED Smartlight	352
LYRA® Concealed ceiling panels	277-278
LYRA® PB Square Lay-in ceiling panels	271-272
LYRA® PB Tegular ceiling panels	273-276
M	
MESA™ & MESA™ Second Look® ceiling panels	279-280
METALWORKS™ 3D Ceiling Panels	147-148
METALWORKS™ Accessories & Infill Panel	156-157
METALWORKS™ At-A-Glance	113-120
METALWORKS™ Blades – Concepts™ panels	56
METALWORKS™ Blades – Classics™ panels	57-58
METALWORKS™ Canopies	armstrongceilings.com
METALWORKS™ Clip-on ceiling panels	127-128
METALWORKS™ Concealed ceiling panels	129-130
METALWORKS™ Custom Ceiling Systems	159-162
METALWORKS™ DH700 Flat & Faceted Custom Ceiling Systems	159
METALWORKS™ Effects™ Wood Looks finishes (Refer to METALWORKS™)	
METALWORKS™ Linear – Interior & Exterior ceiling panels	131-134
METALWORKS™ Mesh™ ceiling panels	135-138
METALWORKS™ Open Cell ceiling panels	139-140
METALWORKS™ Plank ceiling panels	141-142
METALWORKS™ Radial Custom Ceiling Systems	160
METALWORKS™ RH200 Custom Flat & Curved Ceiling Systems	160
METALWORKS™ RH215 Custom Ceiling Systems	161
METALWORKS™ SecureLock™ & SecureLock™ Plus ceiling panels	143-144
METALWORKS™ Snap-in ceiling panels	145-146
METALWORKS™ Tegular ceiling panels	121-124
METALWORKS™ Tin ceiling panels	149-150
METALWORKS™ TorsionSpan™ ceiling panels	159
METALWORKS™ Torsion Spring Custom Ceiling System	162
METALWORKS™ Torsion Spring Standard ceiling panels	151-155
METALWORKS™ Vector® – Interior & Exterior ceiling panels	125-126
METALWORKS™ Wings clouds	armstrongceilings.com
METAPHORS® Coffers	281-282
Minaboard (Refer to CORTEGA® or GEORGIAN™ ceiling panels)	
Minatone (Refer to CORTEGA® or GEORGIAN™ ceiling panels)	
Mineral Fiber/Fiberglass Ceilings At-A-Glance	213-217
O	
OPTIMA® ceiling panels for TECHZONE® Ceiling Systems (see TECHZONE®)	
OPTIMA® CAPZ™ acoustical panels (see CAPZ)	
OPTIMA® Concealed ceiling panels	293-294
OPTIMA® Health Zone™ ceiling panels	295-296
OPTIMA® Plank ceiling panels (Refer to OPTIMA® Square Lay-in)	
OPTIMA® Radial Custom Ceiling Systems	297-298
OPTIMA® Square Lay-in ceiling panels	283-286
OPTIMA® Tegular ceiling panels	287-290
OPTIMA® Vector® ceiling panels	291-292
P	
PAINTED NUBBY™ ceiling panels	299-300
PEBBLE™ ceiling panels	301-302
Portfolio At-A-Glance	43-46
R	
Radial Ceilings – METALWORKS™ Custom Ceiling Systems	160
Radial Ceilings – OPTIMA® Custom Ceiling Systems	297-298
Radial Ceilings – WOODWORKS® Custom Ceiling Systems	205
RANDOM FISSURED™ ceiling panels	303
S	
SCHOOL ZONE® FINE FISSURED™ & SCHOOL ZONE® GEORGIAN™ ceiling panels	305-306
Second Look® (Refer to CIRRUS® Second Look®, FINE FISSURED™ Second Look®; CORTEGA® Second Look®, or DUNE™ Second Look®)	
SERPENTINA® Classic clouds	85-86
SERPENTINA® Vault ceiling panels	88
SERPENTINA® Waves™ clouds	89-92
SHASTA® ceiling panels	304
SOUNDSCAPES® Basics canopies	armstrongceilings.com
SOUNDSCAPES® Blades™ panels	59-64
SOUNDSCAPES® canopies	93-94
SOUNDSCAPES® Shapes clouds	95-98
SOUNDSOAK® Baffles vertical panel	65
Spectra™ CAPZ™ acoustical panels (see CAPZ)	
Spectra™ CAPZ™ acoustical panels (see CAPZ)	
T	
TECHZONE® Ceiling Systems	337-344
Tin Ceilings (Refer to METALWORKS Tin™ ceiling panels)	
TECTUM® Blades™ & Baffles	66
TECTUM® Clouds & Shapes	99

CEILINGS, SUSPENSION SYSTEMS & WALLS

Alphabetical Index

CEILING PRODUCTS	Page No.
TECTUM® Concealed Ceiilngs	328
TECTUM® Finale Direct Attach Ceilings	109
TECTUM® Standard Direct Attach Ceilings	107-108
TECTUM® Panel Art Ceilings	110
TECTUM® Tegular	331-332
TECTUM® Wood Fiber – Cementitious AAG	325
TINCRAFT™ ceiling panels	307 308
Translucent Panels (Refer to INFUSIONS® ceiling panels)	
Trim and Acoustical Infill Panels (METALWORKS™ family)	156-157
Trim and Acoustical Infill Panels (WOODWORKS® family)	199-200
TUNDRA® ceiling panels	309-310
U	
ULTIMA® ceiling panels for TECHZONE® Ceiling Systems (see TECHZONE®)	
ULTIMA® Health Zone™ & ULTIMA® Health Zone™ High NRC ceiling panels	321-324
ULTIMA® High NRC Tegular ceiling panels	315-318
ULTIMA® High NRC Lay-in ceiling panels	311-314
ULTIMA® Plank ceiling panels (Refer to ULTIMA® Square Lay-in, Tegular, or Vector®)	
ULTIMA® Square Lay-in ceiling panels	311-314
ULTIMA® Tegular ceiling panels	315-318
ULTIMA® Themes™ ceiling panels (Refer to CREATE!™)	
ULTIMA® Vector® ceiling panels	319-320
V	
Vinyl–faced Fiberglass (Refer to PEBBLE™ or SHASTA® ceiling panels)	
VL ceiling panels	239-240
W	
WOODWORKS® Access™ Custom Ceiling System	202-203
WOODWORKS® Accessories	199-200
WOODWORKS® At-A-Glance	165-170
WOODWORKS® Canopies	100
WOODWORKS® Channeled ceiling panels	177-182
WOODWORKS® Concealed ceiling panels	183-184
WOODWORKS® Custom Ceiling Systems	201-205
WOODWORKS® Grille ceiling panels	185-190
WOODWORKS® Linear ceiling panels	191-196
WOODWORKS® Open Cell ceiling panels	197-198
WOODWORKS® Radial Custom Ceiling Systems	205
WOODWORKS® Tegular ceiling panels	171-174
WOODWORKS® Torsion Spring Custom Ceiling Systems	203
WOODWORKS® Vector® ceiling panels	175-176

SUSPENSION PRODUCTS	Page No.
360º Painted Grid System	383
AL PRELUDE® Plus XL® suspension (see PRELUDE® Plus XL®)	
AXIOM® Building Perimeter System (see AXIOM® Shade Pockets)	
AXIOM® Trim At-A-Glance	413-414
AXIOM® Trim for Drywall	417
AXIOM® Wall Moldings & Column Rings	427
AXIOM® Classic Straight & Curved trim	415-416
AXIOM® Glazing Channel trim	418
AXIOM® Interlude® trim	419
AXIOM® Knife Edge® trim	420
AXIOM® Light Coves – Direct	355
AXIOM® Light Coves – Indirect	346
AXIOM® Paired Accent System	421
AXIOM® Profiled trim	422
AXIOM® Soft Edge trim	423
AXIOM® Transitions trim	424-425
AXIOM® Vector® trim	426
AXIOM® Shade Pockets – Building Perimeters	357-362
AXIOM® Shade Pockets – Lutron®-compatible	363-364
CLEAN ROOM™ suspension system	384
Data Center Suspension Systems	347-348
DC FLEXZONE™ suspension system	345-346
Drywall Grid System Accessories	437-438
Drywall Grid System for Curved Ceilings	432
Drywall Grid System for Flat Ceilings	430-431
Drywall Grid System At-A-Glance	429
INTERLUDE® XL® 9/16" Dimensional Tee suspension system	385-386
PRELUDE® Concealed suspension system	387
PRELUDE® ML 15/16" suspension system	388
PRELUDE® Plus XL® Fire Guard™ 15/16"	391-392
PRELUDE® Plus XL® suspension system – Aluminum	389
PRELUDE® Plus XL® suspension system – Stainless Steel	389
PRELUDE® XL® 15/16" Exposed Tee System	391-392
PRELUDE® XL® 15/16" suspension system for Exterior Applications	390
PRELUDE® XL® High Recycled Content suspension system	391-392
PRELUDE® XL Max™ suspension system	393-394
QUIKSTIX™ Drywall Ceiling System	434
QUIKSTIX™ Soffits & Wall Liner	433
SHORTSPAN® Drywall Framing System	435-436
SILHOUETTE® XL® 9/16" Bolt-Slot System – 1/4" Reveal	395
SILHOUETTE® XL® 9/16" Bolt-Slot System – 1/8" Reveal	396
SINGLESPAN™ Corridor Solutions	397-398
SONATA® XL® 9/16" Dimensional Tee System	399
SS PRELUDE® Plus XL® 15/16" Exposed Tee System (see PRELUDE® Plus XL®)	
SUPRAFINE® ML 9/16" suspension system	400-401
SUPRAFINE® XL® HRC suspension system	400-401
Suspension Systems Selector Chart	377-378
Suspension Systems Accessories	405-406
Suspension Systems At-A-Glance	381

WALLS PRODUCTS	Page No.
Custom Metal Wall Systems	463
Custom WOODWORKS® Wall Systems	464
INFUSIONS™ Partitions	459
INFUSIONS™ Walls	460
OPTIMA® acoustical wall panels	452
PAINTED NUBBY™ acoustical wall panels	452
SOUNDSCAPES® Shapes wall panels	452
SOUNDSOAK® Acoustical Wall Systems	450
SOUNDSOAK® Custom	451
TECTUM® Panel Art Walls	449
TECTUM® Fabri-Tough Walls	448
TECTUM® Finale Direct Attach Walls	447
TECTUM® Standard Direct Attach Walls	445-446
Wall Acoustical Infill Panel	461
Wall Accessories	461-462
Walls At-A-Glance	441-444
WOODWORKS® Channeled Wall System	455-456
WOODWORKS® EKOS® Wall Systems	457-458
WOODWORKS® Wall Systems	453-454
WOODWORKS® Custom Wall Systems	464

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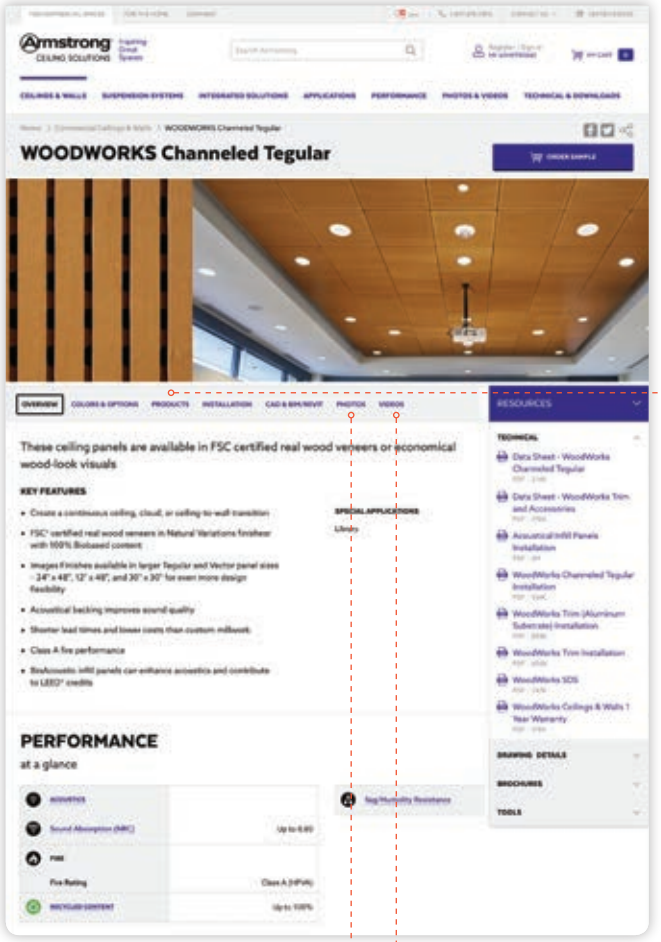

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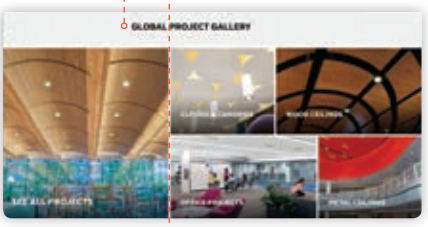

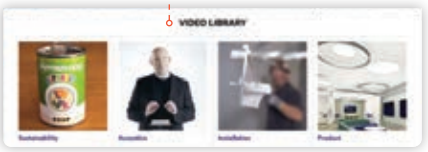





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