

Ceiling Systems

VERSION
ONE

Design with Confidence

With over a century of service to the building industry, CGC understands the issues you manage every day and the opportunities you see in the big picture. To help all customers—from architects, designers and specifiers to builders, contractors and installers—achieve their goals, we design our high-performance products to bring creative concepts to life and assure quality for the long term.

Choose Trustworthy Products

As the recognized innovator in ceilings and manufacturer of an extensive line of acoustical panels, specialty systems, integrated ceiling systems and suspension systems for drywall, CGC is a leading ceilings supplier in Canada. Our ceilings products are known and trusted because of our exacting performance standards.



Build Sustainably

With a firm belief that health, safety and environmental well-being are compatible with economic prosperity, CGC maintains a longstanding commitment with our employees, customers and communities to reduce environmental impact, use recycled materials whenever feasible and eliminate manufacturing waste.

We are a member of the U.S. Green Building Council (USGBC/CAGBC), a diverse coalition of principals in the building industry. Promoting environmentally responsible design and construction, the council developed the LEED® (Leadership in Energy and Environmental Design) program to establish a rating system that defines “green building.”

CGC is committed not only to producing the highest-quality ceiling systems for creating inspired designs, but also to protecting and nurturing the environment we all share. Together, we can build a better world.

Contents

This handy desktop reference is an easy-to-use guide to the comprehensive selection of ceiling systems from CGC. Inside you'll discover clear, practical information on critical factors of ceiling design to help make the selection process enlightening and engaging.

Here's where to find the information you need to specify a CGC ceiling system that looks as great as it performs.

New From CGC	3–7	We are pleased to introduce several exciting products, plus ceiling panels with certified zero- and low-emissions performance, and a robust web-based design resource.
Ceilings Overview	8–10	Imagine what you can achieve with our full range of products including high-quality acoustical ceilings, specialty ceiling systems that make a bold statement, and the precision CGC drywall suspension system.
Design Considerations	11–25	Find out more about the basics of good ceiling design and how to satisfy even the most stringent requirements in critical areas such as aesthetics, sustainability, acoustical control, abuse resistance, humidity resistance and fire resistance.
Specialty Ceiling Systems	26–78	Product-line overview, selectors for metal finishes and perforations, and detailed information for each specialty system.
Acoustical Ceiling Panels	79–175	Selectors for texture, light reflectance, colours, substrates, acoustical performance, patterns, sustainability, edge detail options, ceiling perimeters, and detailed information for each ceiling panel.
DONN® Brand Suspension Systems	176–225	Detailed information for each suspension system including the CGC drywall suspension system, and information on all system accessories.
LOGIX™ Integrated Ceiling Systems	226–249	New from CGC, a dynamic system that aligns lighting and utilities along narrow, orderly channels. LOGIX Basic creates channels that intersect tees. LOGIX Linear allows uninterrupted, continuous channels.
Support and Technical Information	250–294	Environmental statement, item number index, packaging information, guide specifications, sound test data, fire-rated assemblies, warranties and limitations, and product index.

The newest ceilings and systems from CGC are made to provide you with more creative options and greater flexibility. From new twists on traditional acoustical ceilings to a new specialty product that takes customization to a higher level, CGC ceilings offer even more ways to add a crowning touch to your designs.

Check Out Our Newest Offerings

New From CGC

USG Design Studio

Specify quickly. Specify correctly.

Introducing USG Design Studio, a new web-based platform that provides architects, designers and architectural specifiers with quick, efficient and accurate information on USG ceiling and wall products, from drawing files to a tool that assists with writing architectural specifications.

USG Design Studio is a free service that does not require registration to use. However, by registering you can receive updates on the latest content additions, enhancements, and upgrades.

To access this dynamic new service, visit usgdesignstudio.com.

- **Research ceiling options** based on performance requirements such as sustainability, light and sound properties, fire performance, aesthetics, even ceiling panel substrates.
- Select products and systems that meet your criteria, and USG Design Studio will **generate a specification**.
- USG Design Studio houses an extensive library with two- and three-dimensional details in Autodesk AutoCAD® format for downloading.

Logix™ Integrated Ceiling Systems

Align services along continuous bands running the full length of an acoustical ceiling, parallel to the main suspension tees, creating a unifying element that extends throughout a space and brings greater order to your ceiling design. The field is fitted with fiberglass panels in a wide range of standard and large-module sizes. These high-performance panels feature high light reflectance and excellent sound control for open-plan areas. Channels may also be oriented perpendicular to the main tees, with sleek 6" HALCYON™ CLIMAPLUS™ fiberglass lay-in panels or PANZ® metal ceiling panels positioned adjacent to main tees.

HALCYON CLIMAPLUS Ceiling Panels

For more information see pages 226–249.



Wall-to-Wall Drywall Suspension System

Designed to create conventional flat drywall ceilings in corridors and similar spaces with spans of less than 14 ft., this framing solution is easier to work with than black iron and furring channels or drywall studs, and it helps to reduce labor costs. The system assembles quickly and easily, framing narrower spaces efficiently and with a minimum of components. System accessories and integrated straight components offer easy transitions to vertical, horizontal, or curved surfaces.

CGC Wall-to-Wall Drywall Suspension System/SHEETROCK Brand Gypsum Panels



For more information see pages 210–211

Compasso™ Slim Perimeter Trim

A cutting-edge alternative to traditional suspension trim, COMPASSO™ Slim perimeter trim dramatically highlights ceiling islands with a wide, low-profile frame. Made of extruded aluminum with durable Slim White finish, components are precision-engineered to fit DX®/DXL™, CENTRICITEE™ DXT/DXLT and FINELINE® DXF/DXFF suspension systems.

For more information see pages 53–54.

Wood Tones



Achieve the look without the weight, expense or susceptibility to climate changes associated with real wood.

Wood Tone panels and coordinating painted suspension system are available with:

CELEBRATION™ metal ceiling panels / CURVATURA™ panels / PANZ® metal ceiling panels / COMPASSO™ perimeter trim

Choose from three Wood Tones: cherry, maple and oak. Wood Tone panels may also be perforated for greater sound control and attractive visual texture.

Top: 1'x 5' PANZ. Center: 2'x 2' CELEBRATION. Bottom: 1'x 4' CELEBRATION.



For more information see pages 31–34.



Zero emissions. Zero worries.

Even if no formaldehyde is used to make a product, raw materials can still contain this dangerous substance or combine to create a chemical reaction that produces formaldehyde. The key is to specify products proven to have zero or low formaldehyde emissions. CGC offers the widest selection of standard ceilings that meet the most stringent standard for product formaldehyde emissions, set by the Collaborative for High Performance Schools (CHPS) – all at no added cost.

Find out more at
www.SustainableCeilings.com

For details see page 15.



Reach Higher with a CGC Ceiling

From a simple white plane to a colourful, textural and multidimensional domain, a CGC ceiling provides the crowning touch that connects and completes a space. Explore the many great styles, materials and systems we offer – as well as solutions for creating healthy and sustainable environments – to help you take your design to new heights.

30" x 30" MARS *CLIMAPLUS* Ceiling Panels/DONN FINELINE DXF Suspension/System COMPASSO Suspension Trim

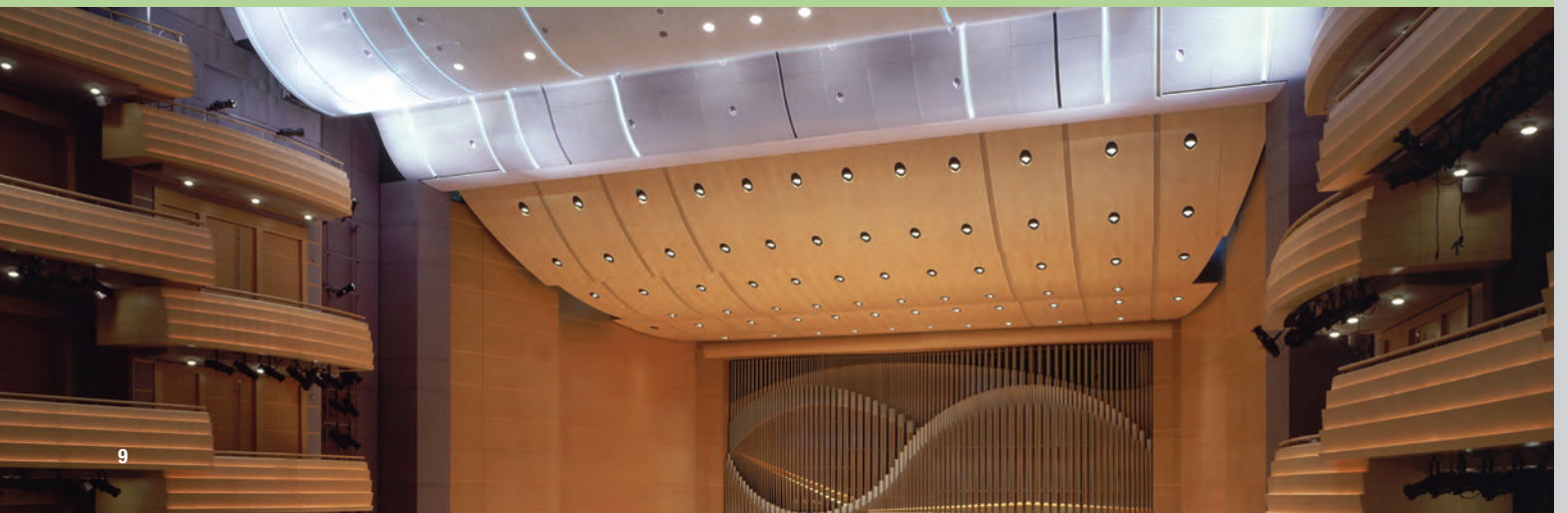


For more information see pages 136–137.



Create a distinctive look, capture a mood and define spaces within spaces with innovative systems that are sure to be noticed.

Custom Curved Metal Panel Solution



Drywall Suspension System



System for Curved Ceilings

Create unique curved, domed, and conventional flat drywall ceilings with ease.

System for Flat Ceilings



Design Considerations

The optimal ceiling choice satisfies several critical requirements including aesthetics, acoustical performance, fire protection, sustainability and value. CGC manufactures a wide variety of quality ceiling systems with strong capabilities in a range of performance categories.

Performance Categories



Aesthetics



Acoustics



Abuse Resistance

Take a closer look at the criteria to consider when specifying a ceiling system and the many CGC products available to create a design that performs as well as it looks.



Humidity Resistance



Fire Resistance



Sustainable Design

Sustainable Design



Sustainable design seeks to create structures that require fewer natural resources to build, maintain and adapt to future uses. Key strategies include choosing quality, lasting materials and creating flexible, multi-functional spaces.

Consumers have become increasingly aware of the need to conserve energy, manage raw materials, reduce waste and safeguard against pollutants. In response, many developers and owners now demand buildings that will help save energy, preserve the integrity of surrounding land and assure a clean, healthy indoor environment.

Sustainable Solutions

CGC has long supported sustainable building by emphasizing innovation, from the ingredients and resources we use to the manufacturing processes we employ. Take a closer look at the advantages that let you choose CGC ceiling products with confidence.

Recycled and Renewable Materials

Recycled and renewable raw materials reduce consumption of energy and resources without diminishing the long-term performance of our products. Many CGC ceiling products contain:

Synthetic mineral wool

We convert nearly 150,000 tons of slag, a waste product of steel making, to mineral wool every year, eliminating the need to mine and process raw materials and reducing landfill waste.

Recycled paper

Many of our ceiling panels contain paper recovered from both pre-consumer (cuttings from corrugated box manufacturing) and post-consumer (newspapers) use.

Corn- and wheat-starch binders

These renewable agricultural materials are an environmentally sound alternative to traditional binders derived from petroleum-based chemicals.

Recycled metal

Several of our metal specialty ceilings and ceiling and drywall suspension systems are made of steel and aluminum that includes recycled content. Aluminum offers additional benefits in that it can be fully re-purposed by re-melting and salvaging the metal.

For more information see the Sustainability selector on pages 97–100.

Responsible Manufacturing

Careful production methods are good for the environment and increase efficiency. Our practices include:

Using clean fuels

We use natural gas and low-sulfur oil whenever possible and conserve energy with heat-exchange processes throughout manufacturing operations.

Treating and recycling water

Managing water use saves more than 28 million gallons every day and reduces effluent discharges into municipal treatment systems.

Reducing waste

Waste from the production line and panels chipped or broken during processing are returned to the manufacturing cycle, keeping them out of landfills.

Offering specialized ceiling panels

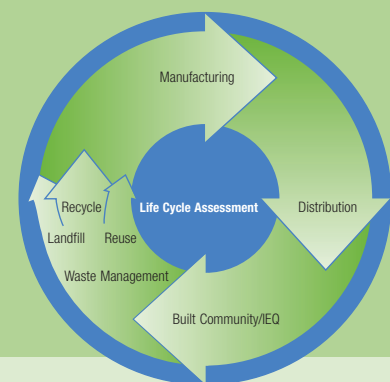
- Non-directional products such as RADAR™ ceiling panels reduce waste during installation.
- High-durability acoustical panels extend the useful life of ceilings and reduce operating and replacement costs.
- Panels with high light reflectance can enhance indirect lighting, reducing the number of light fixtures needed and lowering energy consumption. For more information about the light reflectance of CGC ceiling panels, see pages 85–86.

Recycling old ceiling panels

CGC can take back approved ceiling panels and recycle them into new building products. Reclaiming this waste can help meet the needs of a growing world and preserve natural resources.

Product Life Cycle:

CGC's commitment to health, safety and environmental responsibility is evident at every stage in the life cycle chain.



OSHA Star VPP Approval

CGC is the only ceiling suspension system manufacturer whose facilities have qualified for the OSHA Voluntary Protection Program (VPP), recognizing them as exemplary worksites with comprehensive, successful safety and health management systems. In addition, these sites have been qualified for the Star Program, OSHA's highest ranking. Companies in the Star Program have achieved injury and illness rates at or below the national average for their respective industries, with designated sites being self-sufficient in their ability to control workplace hazards. The management leadership and employee engagement necessary to attain this elite status also enables these plants operate at the highest levels of efficiency, product quality and customer service.

To learn more about our recycling program for acoustical ceilings, see pages 101 and 256–257.

Antimicrobial Protection

Mould has become a significant concern due to today's fast-track scheduling, which can allow high levels of moisture to become trapped in a structure during construction.

Architects, designers, contractors and maintenance engineers must work together to prevent and address moisture accumulation both during construction and throughout a building's life cycle. The best and most cost-effective strategy is to prevent water intrusion with good design, construction, and maintenance practices.

CGC helps owners and specifiers provide additional safeguards against mould and mildew growth with several high-performance ceiling solutions:

Dual inhibition of mould/mildew and bacteria

Many CGC mineral-fiber panels with *CLIMAPLUS*[™] performance are treated with a patented, broad-spectrum antimicrobial standard formulation that inhibits and retards the growth of mould/mildew and odor/stain-causing bacteria.

Superior protection and warranty coverage

CGC *CLIMAPLUS* ceiling panels with Superior Performance are warranted to be free from the growth of mould, mildew, and Gram-positive and Gram-negative odor- and stain-causing bacteria for 30 years from the date of installation. This warranty also applies to CGC *CLIMAPLUS* ceiling products that are formulated to inherently resist the growth of micro-organisms.

For more information about CGC *CLIMAPLUS* ceiling panels with Inherent and Superior Performance, see page 98.



ASTRO *CLIMAPLUS* fine-textured panel



FROST *CLIMAPLUS* fine-textured panel



Earn LEED Credits

The most widely accepted national guidelines for environmentally conscious building is the LEED (Leadership in Energy and Environmental Design) Green Building Rating System[®] developed by the United States Green Building Council. As a member of the USGBC.CABGA, CGC is committed to helping architects and builders create structures that efficiently meet the needs of occupants while also protecting the surrounding environment. Following are credits for which CGC ceilings may help a project qualify.

LEED Category	Available Credits	Products/Programs that May Assist in Qualifying for Credit
Energy and Atmosphere	EA 1: Optimize Energy Performance	Ceiling panels with high light reflectance (LR) can reduce the number of light fixtures needed, curbing energy consumption. See pages 85–86.
Materials and Resources	MR 1.3: Building Reuse—Maintain Interior	Cast-mineral-fiber panels are baked solid in moulds for abuse resistance and through-colour to resist abrasion and mask scrapes. See page 91.
	MR 2.1 and 2.2: Construction Waste Management Divert from Disposal	CGC offers a nationwide recycling program that can take back approved mineral-fiber panels, reducing the impact on landfills. See pages 101 and 256–257.
	MR 3.1 and 3.2: Resource Reuse	Panels may contain synthetic mineral fiber converted from slag, a byproduct of steel making. Metal ceilings and components may include recycled aluminum. See page 97.
	MR 4.1 and 4.2: Recycled Content	Panels may contain paper recovered from both pre-consumer and post-consumer use. See pages 99–100.
	MR 5.1 and 5.2: Regional Materials Extracted, Processed and Manufactured Regionally	For manufacturing locations of CGC ceiling products, see pages 99–100.
	MR 6: Renewable Materials	Panels may contain corn- and wheat-starch binders, renewable alternatives to traditional petroleum-based binders. See page 97.
Indoor Environmental Quality	EQ 4.1, 4.2, 4.3 and 4.4: Low-Emitting Materials	All CGC products are low VOC emitters, and many panels emit no formaldehyde or only a low amount. See pages 99–100.
	EQ 8.1 and 8.2: Daylight and Views	Ceiling panels with high light reflectance (LR) can improve the quality and quantity of natural light by enhancing indirect lighting. See pages 85–86.
LEED for Schools	EQ 4, Option 6: Low-Emitting Materials – Ceiling and Wall Systems	All CGC zero- and low-emitting ceiling panels and tile meet the Low-Emitting Materials requirement for ceiling and wall systems. See individual product pages for VOC Emissions classification.
	EQ 9: Enhanced Acoustical Performance For Schools	Many CGC ceiling panels meet these acoustical requirements. See pages 274-275 for Sound Test Data to aid in product selection.
	EQ 10: Mould Prevention	CGC ceiling panels and tile with <i>CLIMAPLUS</i> Superior Performance feature a patented antimicrobial treatment that provides broad-spectrum control for mould/mildew, fungi, yeast, algae, and Gram-positive and Gram-negative odor/stain-causing bacteria. See pages 99-100.

Zero and Low Emissions

Indoor environmental quality (IEQ) is a vital consideration because it has such an impact on the health and wellbeing of a building's occupants. The choice of building materials is a critical factor because many products can release volatile organic compounds (voc), which include thousands of synthetic and natural chemicals emitted by a wide array of materials, finished products, and even microorganisms such as mould and mildew. To help building professionals create healthy, comfortable spaces, CGC provides a portfolio of ceiling panels and tiles with zero or low formaldehyde emissions, as tested per California Special Environmental Requirements, Specifications Section 01350:

Zero-Emitting Ceilings

CGC cast ceilings. Concentration levels do not exceed $2 \mu\text{g}/\text{m}^3$ (1.6 ppb), the background level specified for this test protocol. These products can help qualify for LEED EQ1 credit 3.2 and meet the intent of LEED credits 4.1, 4.2, 4.3, 4.4, 5.0 and 6.

Low-Emitting Ceilings

Most CGC mineral-fiber ceilings. Concentration levels do not exceed the 13.5 ppb limit required by this test protocol and CHPS.

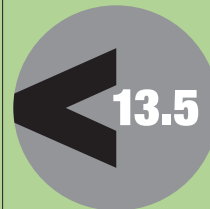
Ceilings That Meet Minimum Standards

All CGC ceilings. Concentration levels do not exceed the 50 ppb limit established by the State of Washington in 1989, the first widely recognized standard for indoor air quality.

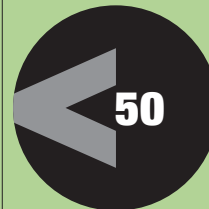
Zero-Emitting
0 ppb



Low-Emitting
Less than 13.5 ppb



Meets Minimum Standards
Less than 50 ppb



CHPS recognizes only those products tested per California Special Environmental requirements, Specifications Section 01350, which reflects typical occupancy conditions by specifying chamber volume, loading factor, temperature, humidity, air exchanges, duration and flow rate.

This ensures that performance is measured using consistent, uniform conditions, allowing architects and specifiers to compare products based on data derived from equivalent tests. Products that meet or exceed CHPS formaldehyde emission guidelines as tested per this protocol are listed at chps.net/manual/lem_table.htm. For more information about CGC zero-emission and low-emission ceiling products, see the Sustainability selector on pages 99–100.

How to Specify Sustainable Building Materials

Although sustainability has become a fundamental principle underlying successful building design it remains a complex undertaking. Because environmental issues should be considered in every aspect of the design process, specifiers need a working knowledge of green definitions, criteria, standards and applications.

Green Product Selection

Green products can loosely be defined as those that reduce, recycle and renew.

Simplified, sustainable products should achieve the following:

- Reduce the amount of raw materials needed for manufacturing, transportation, storage and construction.
- Offer high recycled content and environmentally friendly reuses, thereby reducing raw material usage, energy consumption and landfill waste.
- Renew the environment by using materials that can be regenerated or that offer environmentally friendly benefits.

These principles must be balanced with consideration of embodied (or embedded) energy, the amount of non-renewable energy required to extract, manufacture, transport and construct building products. Products with low embodied energy are typically sustainable choices. However, products with high embodied energy are not always poor choices. For example, the high embodied energy of a product with great thermal mass may be more than offset by its ability to reduce energy needs for heating and cooling.

Green Specifications

To maximize sustainability architects should incorporate sustainable design criteria into building specifications. Proper specification details ensure that the benefits inherent in green products are supported during the construction process and fully realized throughout the building's life cycle.

The first step is to use a standard specification layout, such as MasterFormat™, from the Construction Specifications Canada. Simply add detailed notes and full explanations of the environmental requirements expected. There's no need to create additional sections, as this may confuse contractors and building owners already familiar with the MasterFormat structure.

When writing environmental specifications, define *your* meaning of terms such as “recyclability” and “post-industrial materials,” and consider adding these general criteria:

- **Outline on-site storage procedures.** To avoid standing water, materials should not be stacked on the ground, and cartons should not be left unopened and exposed to weather.
- **Detail methods for storing and discarding waste.** Conduct a pre-construction meeting with contractors to discuss minimizing waste and disposal, and to explore alternative reuse options.
- **Encourage good construction practices.** Realistic construction schedules will enable contractors to fully enclose buildings to minimize moisture penetration, which can contribute to poor product and system performance.

Do not include descriptions of a project's environmental goals (e.g., attaining a LEED green building rating) in the specification. Rather, include this information in instructions to bidders.

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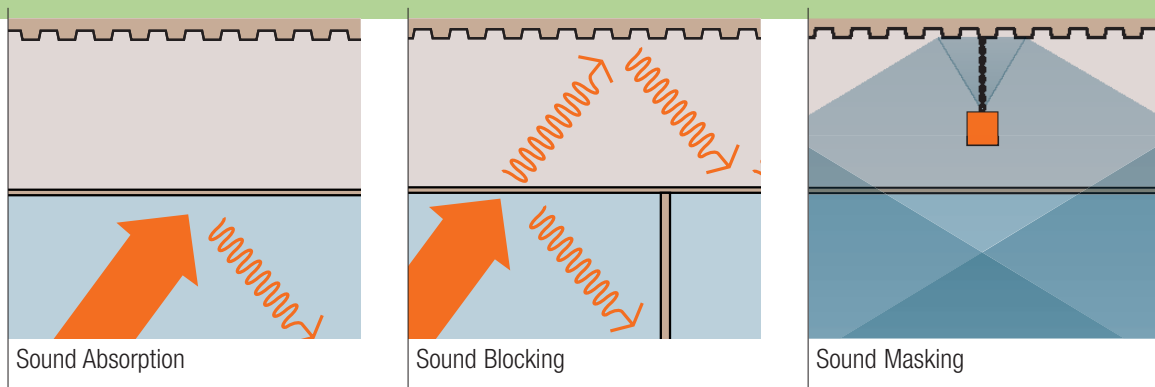
Acoustical Performance



The sound symbol on the product information pages in this catalog identifies CGC ceiling panels designed to help improve privacy, comfort and productivity by effectively absorbing sound and blocking sound transmission. Privacy can be further enhanced with sound masking, which covers noise not absorbed or blocked.

Sound Absorption

Noise Reduction Coefficient (NRC) measures the degree to which a ceiling panel absorbs sound. Ceiling panels with a high NRC value are most appropriate for open areas because they can reduce reverberation within a space. NRC is represented by a number between 0 and 1.00, which indicates the percentage of sound reaching the panel that will be absorbed. For example, an acoustical ceiling panel with a NRC value of .60 will absorb 60% of the sound that strikes it and deflect 40% back into the space. A ceiling panel with a NRC of .50 or higher is considered to offer significant sound absorbing properties.



Sound Blocking

Ceiling Attenuation Class (CAC) indicates the ability of a ceiling system to reduce sound transmission. Panels with a high CAC value can improve privacy in enclosed spaces by blocking sound from transmitting up into the plenum and down to adjacent rooms. A ceiling panel with a CAC of 40 will reduce transmitted sound by 40 decibels (dB). A ceiling panel with a CAC of 35 or higher is considered to offer significant sound attenuation properties.

Specialized Performance

Many interior environments with demanding functions (such as food preparation, hydrotherapy, exercise, athletics and cleanroom control) require performance beyond aesthetics, sound control and sustainability. CGC offers many options to meet a diverse range of specialized performance needs.



Abuse Resistance

Routine plenum access can blemish panels with unsightly scratches, and chips and dents can occur in high-traffic areas such as hallways, classrooms and gyms. When durability is key, consider the following products.

Specially formulated mineral-fiber ceiling panels feature higher-density construction and special finishes to enhance durability and damage resistance. Panels include:

RADAR™ *CLIMAPLUS*™ High-Durability panels deliver 20% greater durability than competitive “school products” and 55% more than standard acoustical panels.

ROCK FACE® *CLIMAPLUS*™ and TOUCHSTONE™ *CLIMAPLUS*™ panels feature special textures and coatings for enhanced abuse resistance.

MARS™ *CLIMAPLUS*™ panels resist visible damage in independently verified surface scratch tests and withstand 150 scrub cycles without surface break using the Gardner Scrubability Test, per ASTM D24861.

Cast ceiling panels, available exclusively from CGC, are formed and cured in moulds, making them up to three times stronger than standard panels. Cast panels feature an integrally colour-coordinated substrate to mask nicks or scrapes. Panels include:

- BRIO™ *CLIMAPLUS*™
- “F” FISSURED™
- FRESCO™ *CLIMAPLUS*™
- FROST™ and FROST™ *CLIMAPLUS*™
- GLACIER™
- SANDRIFT™ *CLIMAPLUS*™
- SUMMIT™ *CLIMAPLUS*™



SUMMIT *CLIMAPLUS*
fine-textured panel



SANDRIFT *CLIMAPLUS*
medium-textured panel



Humidity Resistance

Moist air in indoor pool areas, shower and locker rooms, and buildings not fully enclosed can cause standard panels to visibly sag. For high-humidity areas, choose panels with *CLIMAPLUS* performance. These products resist sag in up to 95% relative humidity and up to 104 °F. *RADAR™ Ceramic CLIMAPLUS™* panels even resist sag in up to 100% relative humidity. *CLIMAPLUS* products carry a limited warranty of up to 30 years when installed in a *DONN®* brand suspension system.



Fire Resistance

CGC offers many ceiling panels with *FIRECODE™* formulation, which provides special additives for increased fire resistance. Fire-rated suspension main tees are manufactured with relief notches that will contract in high heat to hold the ceiling assembly together and prevent collapse. Fire-rated panels and suspension system components are identified with the fire icon on the individual product pages in this catalog.

Cleanliness

Cleanrooms, food preparation areas and computer rooms require ceilings with specific attributes and performance levels. *CLEAN ROOM™ CLIMAPLUS™* Class 10M-100M and Class 100 panels feature vinyl laminated surfaces and meet Federal Standard 209E, “Clean Room and Work Station Requirements Controlled Environments.” *SHEETROCK®* brand *CLEAN ROOM™* lay-in ceiling panels with gypsum core, sealed edges and vinyl face and back, can also be used in cleanrooms up to Class 100. Cleanroom-rated applications require a suspension system with gasketed tees such as the *DONN® CE* system.

For food preparation areas, choose Class 100 panels or *SHEETROCK® Vinyl CLIMAPLUS™* lay-in ceiling panels, which meet U.S. Department of Agriculture Food Safety Inspection Service requirements.

Exterior Applications

Exterior soffits and ceilings in open parking garages and marine environments are subjected to large temperature swings, wind, humidity and incidental water exposure. CGC offers several products that can be used in these challenging applications:

- *SHEETROCK Vinyl CLIMAPLUS* lay-in ceiling panels
- *DONN® ZXLA™* hot-dipped galvanized suspension system with aluminum cap
- *PARALINE®* linear metal ceiling system, wind-load tested to 120 mph.
- CGC drywall suspension system for flat ceilings
- *CELEBRATION™* metal ceiling panels

Building codes seek to ensure safer, stronger building systems and structures and minimize damage and liability in natural disasters and accidents. Key codes governing ceiling design address fire and seismic protection, design and construction.



Fire Resistance

Fire resistance refers to the ability of a ceiling, wall or floor assembly to serve as a barrier to fire and prevent its spread due to collapse, breaches in the barrier or excessive heat conduction.

Ratings

A fire-resistance rating (fire rating) classifies the length of time a ceiling can confine and isolate flame outside and resist heat transfer into a zone of fire-resistance-rated wall, ceiling and floor assemblies. Fire-rated assemblies are tested and certified in their entirety by Underwriters Laboratories, Inc. CGC offers more than 300 UL fire-rated ceiling assembly designs that have achieved UL fire ratings of up to three hours.

Another common life-safety rating is established by ASTM E84. With this test, a material is exposed to flame and analyzed for two performance factors: flame spread and smoke developed. All CGC acoustical ceiling panels are rated Class A (the highest possible) based on this test. These materials do not sustain a fire when flame is removed and do not generate significant amounts of visibility-obscuring smoke. Class A is not a fire-resistance designation.

Components for Fire-Rated Ceiling Assemblies

CGC ceiling panels with FIRECODE formulation contain special additives that increase fire resistance and may qualify for use in fire-rated assemblies. FIRECODE panels are identified with a fire resistance icon on the individual product pages in this catalog. Fire-rated ceiling assemblies also require demanding suspension system performance: main tees with fire relief notches, which contract in high heat to hold the ceiling together and prevent collapse. Several CGC suspension systems are available with this important feature and are identified with a fire resistance icon on individual product pages.

For more information on fire-rated ceiling designs, see the UL Fire Resistance Directory, which is updated every year and can be viewed at www.ul.com. For a summary of CGC fire-rated assemblies, see pages 276–287.



Seismic Compliance

Seismic compliance refers to the use of approved systems and designs that meet the seismic design requirements of a building project to provide life safety to occupants during and after an earthquake.

New Seismic Requirements

Seismic force levels and design criteria were once considered only in certain earthquake-prone locations. But major revisions to the 2005 National Building Code of Canada (NBCC) now require seismic ceilings in more areas throughout Canada. In addition to geographic location, the new code considers soil type and building function (e.g., hospital, school). The design criteria for the architectural elements is now consistent with that used for the mechanical and electrical components.

The design team, consulting engineers and code officials must work together to analyze these factors and determine the applicable seismic design. This information is now required for every construction project and must be included in the construction documents.

Tested Components for Seismic Ceilings

Two critical factors apply with a suspended ceiling system in a seismic application: The system components themselves, and the application method. Since 1957 DOWN suspension systems have set the standard, using the highest-gauge steel to produce the tightest systems available with the greatest lateral and torsional stiffness. These systems utilize optimal structural designs and employ connection mechanisms that far exceed industry requirements including tension, compression and pullout. As a result, CGC suspension systems are better able to resist the lateral forces of a seismic event.

Building on this commitment to quality, CGC teamed with the University at Buffalo (SUNY), the Department of Civil, Structural and Environmental Engineering—Structural Engineering and Earthquake Simulation Laboratory (SEESL) as well as the University of California, Berkeley, Earthquake Engineering Research Center (EERC) to conduct full-scale seismic testing to evaluate and qualify the seismic performance of these systems.

Code Compliance

This testing proved that architects, contractors and building officials can rely on DOWN suspension systems to:

- Meet or exceed all national code requirements with 7/8 in. wall moulding.
- Provide evidence of compliance (and greatly exceed) ICC Evaluation Service, Inc. (ICC-ES) AC156 and AC368 requirements.
- Deliver proven code-compliant solutions 42% stronger than competing systems.
- Offer an aesthetically attractive option to traditional 2 in. angle moulding.
- Provide approved solutions certified with the maximum sq. ft. weights accommodating complete ceilings systems.
- Offer a cost-saving Intermediate Duty system without perimeter wires that exceeds the requirements of AC156 and AC368.

Seismic Qualification

Seismic testing typically focuses on the suspension system itself. Any ceiling panel can be installed in the test assembly regardless of how little it weighs, and components such as light fixtures and air handling equipment are usually excluded. In practical application, however, the suspension system must support and carry the weight of a fully functional ceiling system, including ceiling panels that can weigh as much as 2 lbs./sq. ft.

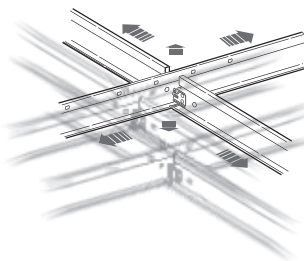
Therefore, CGC tested suspension systems with light fixtures, air handling equipment, and a wide range of CGC ceiling panels. Full-scale testing performed at the University at Buffalo (SUNY) the department of Civil, Structural and Environmental Engineering—Structural Engineering and Earthquake Simulation Laboratory (SEESL) and the University of California, Berkeley, Earthquake Engineering Research Center (EERC) certifies that ceiling assemblies are able to accommodate loads 39% heavier than those claimed by competing systems. No other suspension system can match the tightness and seismic performance of CGC suspension systems, performance evident in these superior test results.

Learn more at www.seismicceilings.com

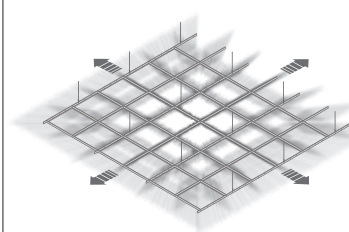
To find out more about new requirements for seismic ceilings, visit the USG Seismic Ceilings Resource Center at seismicceilings.com. This informative online resource features in-depth articles about the code change, FAQs, and interviews with ceilings experts. It also includes a comprehensive library of architectural details downloadable in PDF and CAD formats.



DOWN grid is produced with the optimal combination of shape, size, steel gauge and connection details to produce systems with the greatest stiffness and movement resistance.



The advanced connection details used on DOWN grid are nearly double the intersection strength requirement of 180 lbs. of tension and compression for seismic construction.



Extensive seismic testing proves the advanced connection details along with the systems' optimal combination of shape, size, and steel gauge.



Factors that Determine Seismic Design Category

Seismic construction standards are established to prevent structural collapse during or after an earthquake that could cause panic, injury or death. More areas in Canada are now considered to be at some level of risk for seismic activity, based on three factors:

Soil condition

Certain soil types may be prone to liquefaction, when the stress and shaking of earthquake forces cause sediments to behave like liquids rather than a solid, reducing or eliminating structural support. The soil at a building site is analyzed and categorized into one of six types:

- A – Hard rock
- B – Rock
- C – Very dense soil and soft rock
- D – Stiff soil (default)
- E – Soft soil
- F – Special soils

Building usage

The function of the structure also determines the level of precaution that is to be designed and built in. Building types fall into four categories:

Low: Low human occupancy buildings

Normal: All buildings except those listed in Low/High: on Post-disaster categories

High: Buildings that are likely to be used as post disaster shelters or facilities containing toxic, explosive or other hazardous substances

Post-disaster: Building that are essential to the provision of services in the event of a disaster

Geographic location

Thoughts of earthquakes and seismic activity may typically bring to mind Vancouver and the West Coast. However, this is not the only region considered to face seismic risks. In fact, more than 3,500 earthquakes have been recorded east of the Mississippi River since 1700. Today's building codes are recognizing that seismic activity may be a risk almost anywhere in the country.

By analyzing these three criteria for a construction project, you can determine the seismic design requirements. This is typically done by the project's structural engineer. The design team performs the analysis required to assign the seismic design category for a construction project and must include that information in the construction documents. This tells the construction team the required level of performance for the building.

Refer to local building codes to determine in which section of the specification the seismic design category must appear (usually in the general-contractor section of the specification and on the first page of structural drawings).

Specialty Ceilings

Selectors

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28	Specialty Ceiling Metal Systems
29	Specialty Ceiling Metal Panels
30	Luminous Panels and Systems
31	Metal Finishes
35	Metal Perforations
41	Metal Module Sizes






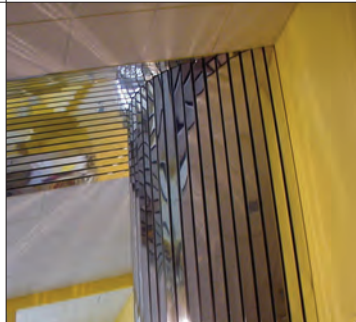

Product Information

Page	
42	BILLO 3-Dimensional Panels
44	CELEBRATION Metal Ceiling Panels
46	CELEBRATION Planks and Large Sizes
48	COMPASSO Perimeter Trim
50	C ² Paired COMPASSO Channels
52	COMPASSO Slim Perimeter Trim
54	CURVATURA 3-Dimensional System
56	ELEGANCE CEILING PANELS
58	GEOMETRIX 3-Dimensional Metal Ceiling Panels
60	GRIDWARE Suspension System
62	PANZ Metal Ceiling Panels
64	PANZ Planks and Large Sizes
66	PARALINE Linear Metal Ceiling System
68	PARALINE Plus Linear Metal Ceiling System
70	TOPO 3-Dimensional System
72	TRANSLUCENTS Luminous Ceiling Panels
74	TRANSPARENCIES Luminous Ceiling System
76	WIREWORKS Open-Cell Ceiling Panels

Specialty Ceilings




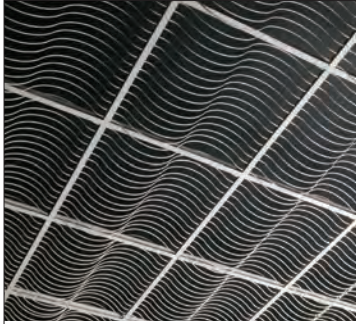

Metal Systems

Metal Systems

<p>COMPASSO Perimeter Trim</p>	<p>C2 Paired COMPASSO Channels</p>	<p>COMPASSO Slim Perimeter Trim</p>
		
<p>Page 49</p>	<p>Page 51</p>	<p>Page 53</p>
<p>CURVATURA 3-Dimensional System</p>	<p>GRIDWARE Suspension System</p>	<p>PARALINE Linear Ceiling System</p>
		
<p>Page 55</p>	<p>Page 61</p>	<p>Page 67</p>
<p>PARALINE Plus Linear Ceiling System</p>		
		
<p>Page 69</p>		

Metal Panels

Metal Panels

CELEBRATION Panels	GEOMETRIX 3-Dimensional Panels	PANZ Panels
		
Page 45	Page 59	Page 63
WIREWORKS Open-Cell Panels		
		
Page 77		



Specialty Ceilings

Luminous Panels and Systems

Topo 3-Dimensional System



Luminous Panels and Systems

BILLO 3-Dimensional Panels	Topo 3-Dimensional System	TRANSPARENCIES "Glass Block" System
		
<p>Page 43</p>	<p>Page 71</p>	<p>Page 75</p>

TRANSLUCENTS Panels



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Metal Finishes

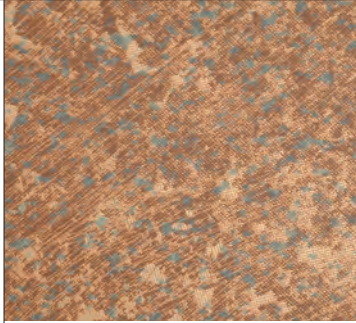
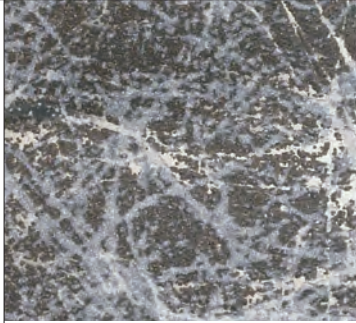
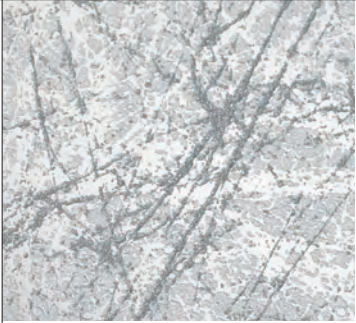






CGC offers metal ceiling panels in several distinctive finishes: Premium Metal, Anodized Metal—Brushed or Polished, Painted Metal, and Wood Tones. These colour reproductions are shown to represent available finishes and colours. A sample should be reviewed before placing an order.

Availability	Premium Metals	Anodized Metals	Painted Metals						DIAMONDFLEX Expanded Metals	Wood Tones
			Flat White	Silver Satin	Metallic Copper	Metallic Gold	Metallic Oyster	Custom Colour		
CELEBRATION Metal Ceiling Panels	○	○	●	●	○	○	○	●		●
COMPASSO Perimeter Trim			●	●				●		●
C⁺ Paired COMPASSO Channels			●	●				●		●
CURVATURA 3-Dimensional System – 2' x 2' Panels			●	●	○	○	○	●	○	○
CURVATURA One-Directional System – 2' x 6' Panels			●	●	○	○	○	●		○
GEOMETRIX 3-Dimensional Metal Ceiling Panels			●	●				●		
GRIDWARE Suspension System¹			●	●				●		
PANZ Metal Ceiling Panels	○	○	●	●	○	○	○	●	○	○
PARALINE Linear Metal Ceiling System		○	●	●	○	○	○	●		
PARALINE Plus Metal Ceiling System		○	●	●				●		

● Suspension, trim and panel available in same painted colour.
○ Suspension and trim available in coordinating painted colours only. See page 34.

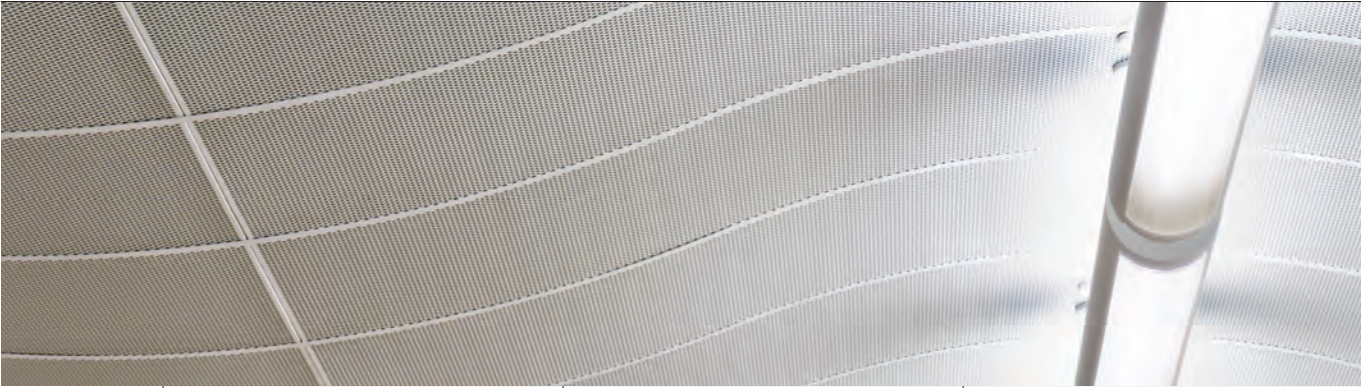
1. Also available in Flat Black.
2. Anodized finish subject to "rainbowing"—multi-colour patterns exaggerated by critical lighting.






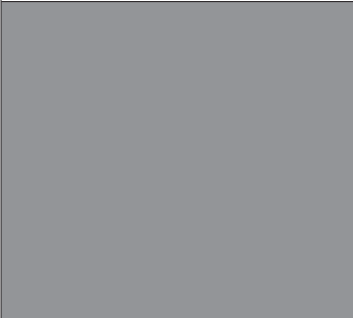
3. All Standard and Advantage colours and custom colours available.
4. 2 ft. maximum panel width for painted metallic finishes
5. Vinyl wood-tone overlay.

<p>Premium Metal 2'x 2' panels only</p>	<p>Aged Copper (1017)</p> 	<p>Etched Ice Dark (1016)</p> 	<p>Etched Ice Light (1015)</p> 
<p>Anodized Metals² CUNATURA, CELEBRATION and PANZ, 2'x 2' and 2'x 4' panels only</p>	<p>Brushed Aluminum (PIA12)</p> 	<p>Polished Brass (PM21)</p> 	<p>Polished Aluminum (PM61)</p> 
<p>Anodized Metals² COMPASSO — 2-1/4", 4", 6" and 8" trim only</p>	<p>Polished Brass (PM21)</p> 	<p>Polished Aluminum (PM61)</p> 	<p>Satin Chrome (PM614)</p> 

Metal Finishes

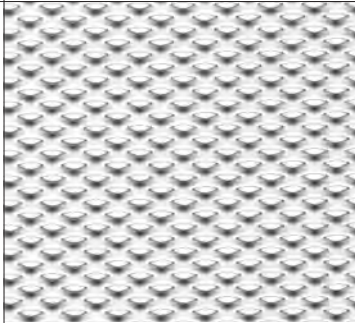
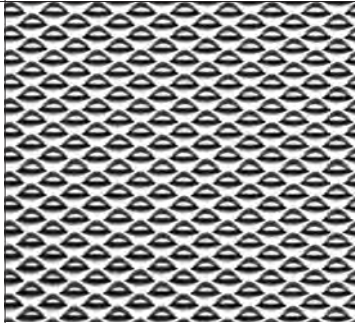
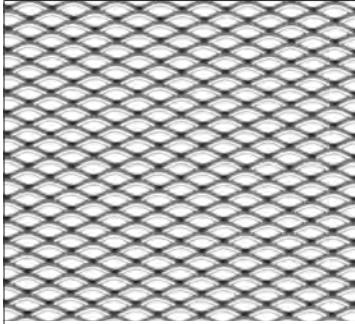
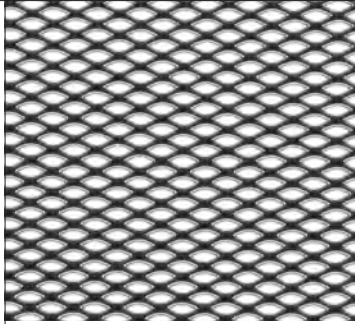
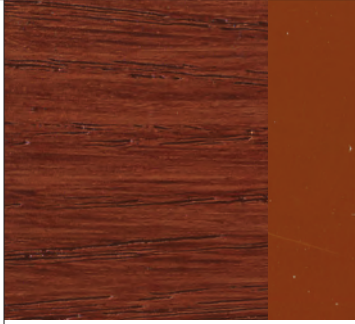

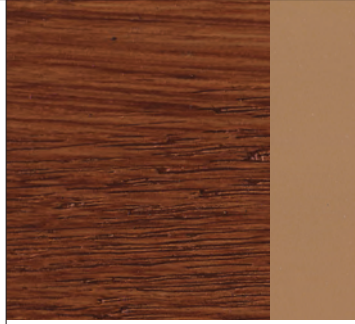
CURVATURA One-Directional Ceiling System



	Brushed Aluminum (PIA12)	Polished Aluminum (086)	
Anodized Metals² PARALINE PLUS PARALINE only; PII – black reveal not available with these finishes			
	Metallic Copper (1690)	Metallic Gold (1691)	Metallic Oyster (1652)
Painted Metals³ Metallic finishes shown ⁴			
	Silver Satin (002)		
			

1. Also available in Flat Black.
2. Anodized finish subject to "rainbowing"—multi-colour patterns exaggerated by critical lighting.
3. All Standard and Advantage colours and custom colours available.
4. 2 ft. maximum panel width for painted metallic finishes
5. Photographic transfer process.

**DIAMONDFLEX
Expanded Metals**
2'x2' panels only

	Louvered Bright White	Louvered Bright Silver	
			
	Sheer Bright White	Sheer Bright Silver	
			
	Cherry (3111)	Maple (3112)	Oak (3113)
Wood Tones[®] CELEBRATION PANZ, CURVATURA and COMPASSO trim, 1'x 4', 1'x 5', 20"x 60", 2'x 2' and 2'x 4' panels. Shown with coordinating suspension and/ or trim colour.			

Metal Perforations

Presenting a complete line of perforation options for:

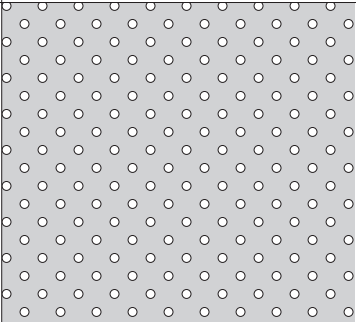
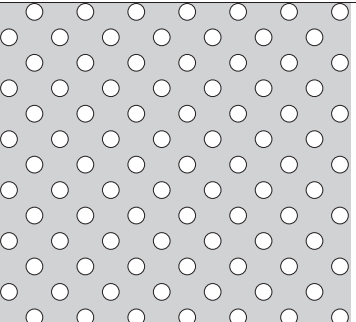
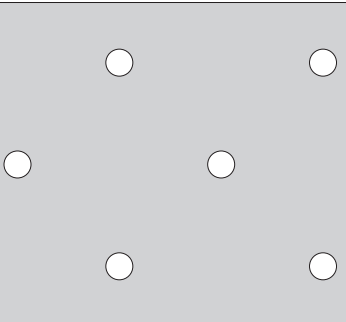
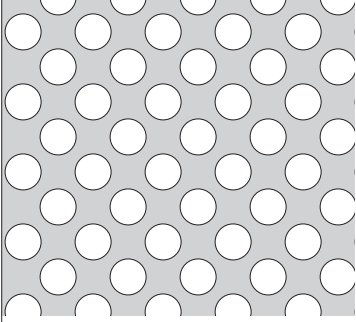
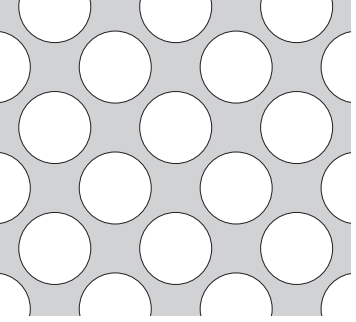
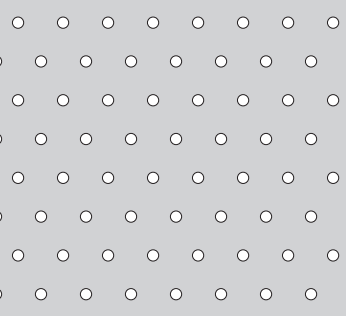
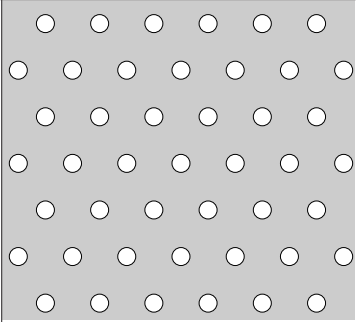
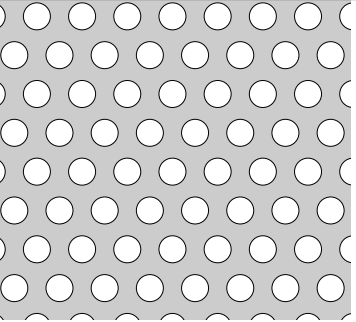
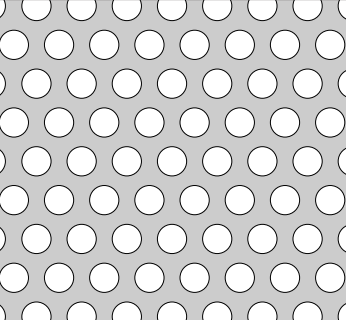
- CELEBRATION metal ceiling system
- CURVATURA 3-Dimensional system
- GEOMETRIX metal ceiling panels
- PANZ metal ceiling panels.
- PARALINE Plus linear metal ceiling system

Standard Perforations
CELEBRATION, CURVATURA 3-Dimensional, GEOMETRIX and PANZ Systems PARALINE Plus only available with A062 perf pattern

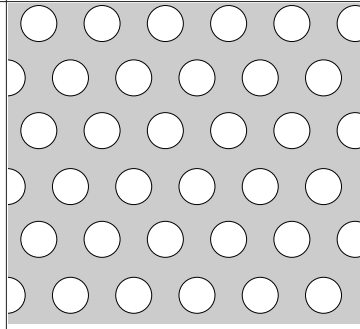
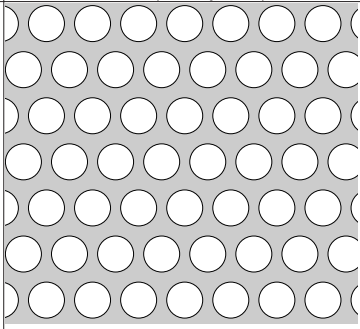
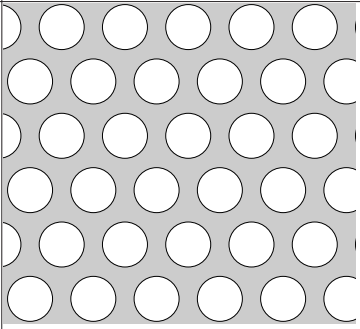
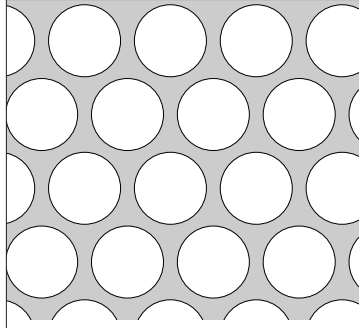
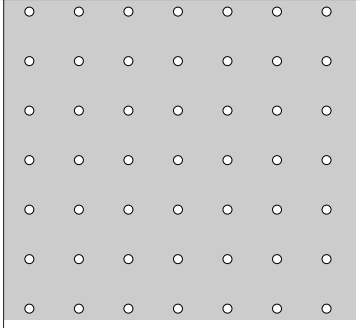
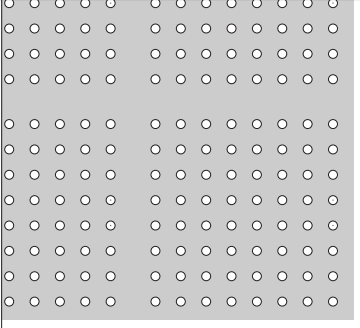
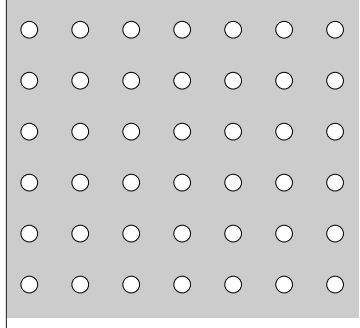
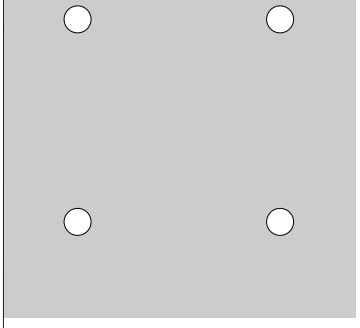
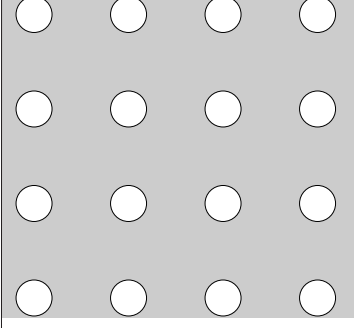
Pattern Number	Perforation Pattern	Open Area %
A062	Round 1/16" Perforations, .25" o.c. (without border)	5%
A116	Round 15/128" Perforations .354" o.c.	17%
A188	Round 3/16" Perforations, 1" o.c.	3%
A250	Round 1/4" Perforations, .5" o.c.	39%
A500	Round 1/2" Perforations, .848" o.c.	55%
B079	Round 5/64" Perforations .312" o.c.	6%
B125	Round 1/8" Perforations, .375" o.c.	10%
B188A	Round 3/16" Perforations, .312" o.c.	33%
B197	Round 13/64" Perforations .316" o.c.	35%
B250	Round 1/4" Perforations, .437" o.c.	30%
B250H (Formerly H250)	Round 1/4" Perforations, .32" o.c.	58%
B312	Round 5/16" Perforations .437" o.c.	46%
B500 ¹	Round 1/2" Perforations, .600" o.c.	63%
C062 ²	Round 1/16" Perforations, .351" o.c.	2%
C062A ²	Round 1/16" Perforations, .175" o.c.	10%
C116	Round 15/128" Perforations .344" o.c.	8%
C188	Round 3/16" Perforations, 1.414" o.c.	1%
C250A	Round 1/4" Perforations, .65" o.c.	12%
C375 ²	Round 3/8" Perforations, 1.125" o.c.	9%
C500	Round 1/2" Perforations, 1.5" o.c.	9%
D250 ²	Square 1/4" Perforations, .75" o.c.	11%
D375 ²	Square 3/8" Perforations, 1.125" o.c.	11%
D500	Square 1/2" Perforations. 1.5" o.c.	17%
D500D	Square 1/2" Perforations. .595" o.c.	70%
EC25D ³	Round 1/4" dia. x 1/16" Embossing, 1.18" o.c.; No Perforation	0%
EC25U ³	Round 1/4" dia. x 1/16" Embossing, 1.18" o.c.; No Perforation	0%
EM25D ³	Round 1/4" dia. x 1/16" Embossing, 1/4" Perforations, 1.14" o.c.	2%
EM25U ³	Round 1/4" dia. x 1/16" Embossing, 1/4" Perforations, 1.14" o.c.	2%

1. Do not use with One-Directional CURVATURA system.
2. Standard for GEOMETRIX panels.
3. 2'x2' CELEBRATION and PANZ panels only.
4. Perforation patterns shown at 75% of actual size.
 When ordering, please refer to the pattern number for perforation samples (for example, "A062").
 (All samples are 6"x6")
5. 2'x2' CELEBRATION and PANZ panels only.

Standard Perforations

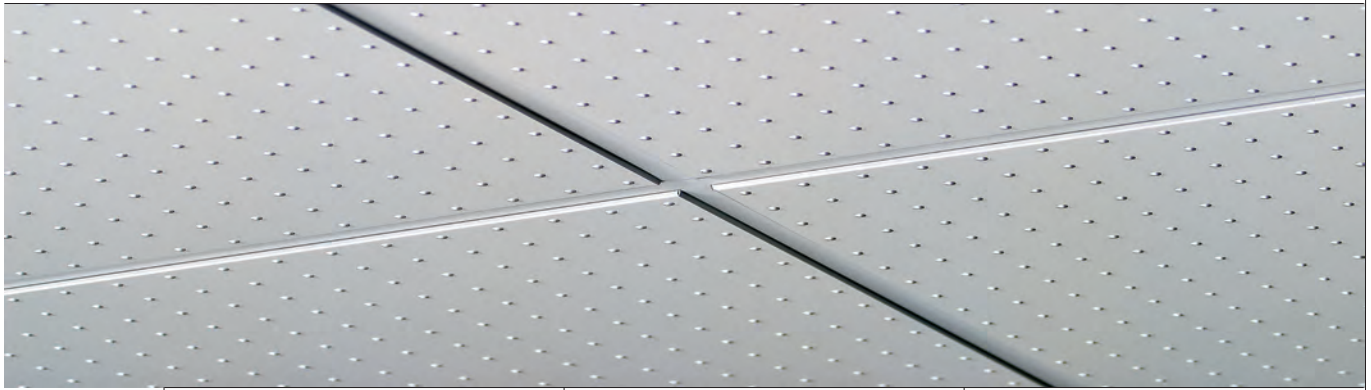
<p>Pattern No. A062</p>  <p>Round—1/16" perforations .25" o.c., 5% open area</p>	<p>Pattern No. A116</p>  <p>Round—15/128" perforations .354" o.c., 17% open area</p>	<p>Pattern No. A188</p>  <p>Round—3/16" perforations 1" o.c., 3% open area</p>
<p>Pattern No. A250</p>  <p>Round—1/4" perforations .5" o.c., 39% open area</p>	<p>Pattern No. A500</p>  <p>Round—1/2" perforations .848" o.c., 55% open area</p> <p>Not to be used with the One-Directional CURVATURA system</p>	<p>Pattern No. B079</p>  <p>Round—5/64" perforations .312" o.c., 6% open area</p>
<p>Pattern No. B125</p>  <p>Round—1/8" perforations .375" o.c., 10% open area</p>	<p>Pattern No. B188A</p>  <p>Round—3/16" perforations .312" o.c., 33% open area</p>	<p>Pattern No. B197</p>  <p>Round—13/64" perforations .316" o.c., 35% open area</p>

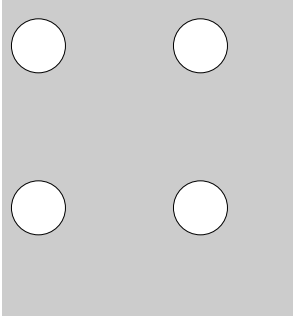
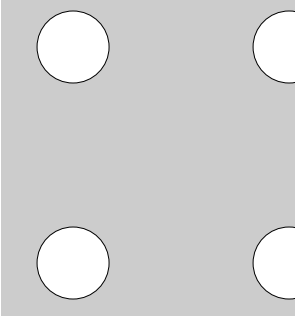
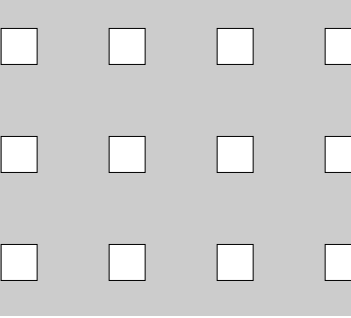
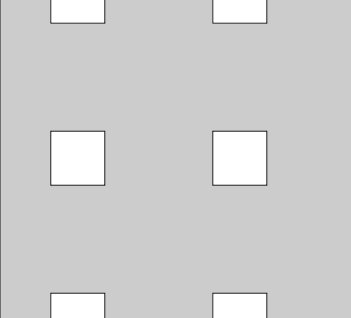
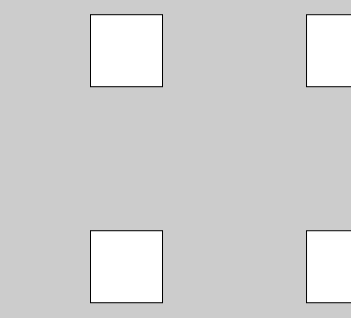
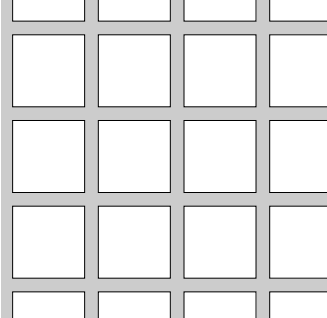
Standard Perforations

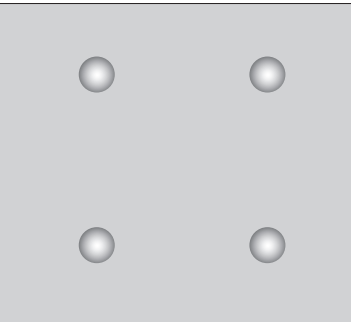
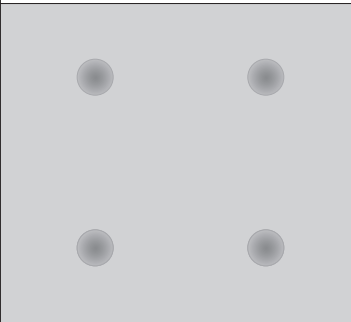


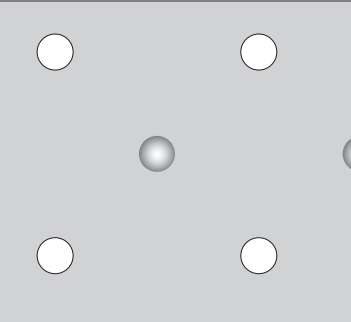
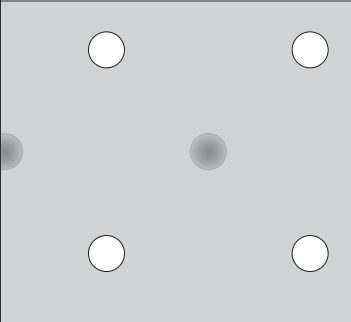


<p>Pattern No. B250</p>  <p>Round—1/4" perforations .437" o.c., 30% open area</p>	<p>Pattern No. B250H (formerly H250)</p>  <p>Round—1/4" perforations .32" o.c., 58% open area</p>	<p>Pattern No. B312</p>  <p>Round—5/16" perforations .437" o.c., 46% open area</p>
<p>Pattern No. B500</p>  <p>Round—1/2" perforations .600" o.c., 63% open area</p> <p>Not to be used with the One-Directional CURVATURA System</p>	<p>Pattern No. C062</p>  <p>Round—1/16" perforations .351" o.c., 2% open area</p>	<p>Pattern No. C062A</p>  <p>Round—1/16" perforations .175" o.c., 10% open area</p>
<p>Pattern No. C116</p>  <p>Round—15/128" perforations .344" o.c., 8% open area</p>	<p>Pattern No. C188</p>  <p>Round—3/16" perforations 1.414" o.c., 1% open area</p>	<p>Pattern No. C250A</p>  <p>Round—1/4" perforations .65" o.c., 12% open area</p>

Metal Perforations

PANZ panels with embossing



	<p>Pattern No. C375</p>	<p>Pattern No. C500</p>	<p>Pattern No. D250</p>
<p>Standard Perforations</p>	 <p>Round—3/8" perforations 1.125" o.c., 9% open area</p>	 <p>Round—1/2" perforations 1.5" o.c., 9% open area</p>	 <p>Square—1/4" perforations .75" o.c., 11% open area</p>
	<p>Pattern No. D375</p>  <p>Square—3/8" perforations 1.125" o.c., 11% open area</p>	<p>Pattern No. D500</p>  <p>Square—1/2" perforations 1.5" o.c., 17% open area</p>	<p>Pattern No. D500D</p>  <p>Square—1/2" perforations .595" o.c., 70% open area</p>

	Pattern No. EM25D	Pattern No. EM25U	
Embossing Only			
	<p>Round – 1/4" dia. x 1/16" embossing 1.18" o.c., no perforation</p> <p>Face side </p>	<p>Round – 1/4" dia. x 1/16" embossing 1.18" o.c., no perforation</p> <p>Face side </p>	
	Pattern No. EC25D	Pattern No. EC25U	
Embossing and Perforations			
	<p>Round – 1/4" perforations 1.41" o.c., 2% open area Black ACOUSTIBOND backer standard</p> <p>Face side </p>	<p>Round – 1/4" perforations 1.41" o.c., 2% open area ACOUSTIBOND backer not available</p> <p>Face side </p>	




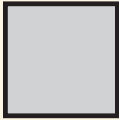
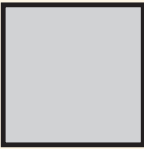
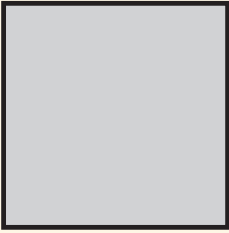
Metal Panel Sizes

Many CGC metal ceilings are available in a range of formats, from traditional 2 ft. x 2 ft. and 2 ft. x 4 ft. panels to new planks and large-size panels, providing options for enhancing visual interest and maximizing high-NRC areas.

The new Logix integrated ceiling system aligns services (lighting, sprinklers, speakers, etc.) along narrow bands infilled with 6" PANZ channel panels.

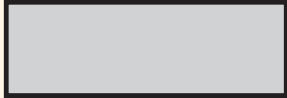
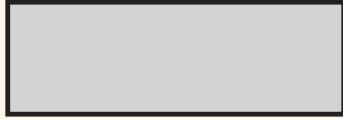
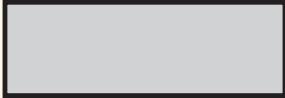



PANZ 600mm x 1050mm SL edge with A062 perforation in Flat White.
 PANZ 400mm x 1800mm channel panels, solid, SL edge, with cutout for surface-mounted fixture.



	1'x 4'	1'x 5'	2'x 4'
Panel Sizes			
	CELEBRATION Panels PANZ Panels	CELEBRATION Panels PANZ Panels	CELEBRATION Panels PANZ Panels
	2'x 2'	30"x 30"	4'x 4'
			
	CELEBRATION Panels CURVATURA 3-Dimensional System GEOMETRIX 3-Dimensional Panels PANZ Panels WIREWOKS Panels	CELEBRATION Panels PANZ Panels	CELEBRATION Panels PANZ Panels

Online Selector for CELEBRATION and PANZ Planks and Large-Size Panels

To streamline your design process, visit our online selector at usg.planks.pivotinteractive.com. Use this interactive resource to select CELEBRATION and PANZ planks and large-size panels and available suspension systems, determine suspension system layout and perforation options, and generate a specification. Planks and large-size panels may require nonstandard main-tee lengths and cross-tee and hanger wire positions. The online selector makes it easy to create a layout that works in your space and incorporate a sophisticated new look into to your design.

	2'x 6'	2'x 8'	20"x 60"
Panel Sizes			
	CELEBRATION Panels CURVATURA One-Directional System PANZ Panels	CELEBRATION Panels PANZ Panels	CELEBRATION Panels PANZ Panels
	6"x 48"	6"x 60"	30"x 60"
			
	PANZ Channel Panels	PANZ Channel Panels	CELEBRATION Panels PANZ Panels



BILLO 3-Dimensional Panels, White Translucent and White Opaque/
DOWN CENTRICITEE DXT Suspension System, Flat White

Features and Benefits

- Three-dimensional curved panels punctuate flat ceiling planes with rhythm and depth.
- 2' x 2' pre-formed Lexan® panels create myriad patterns with just one simple panel shape.
- Lightweight, lay-in panels install into 9/16" narrow-profile and standard 15/16" Down® brand suspension systems, allowing full ceiling accessibility.
- Luminous panels may be backlit with fluorescent strip fixtures or integrated with standard lay-in fixtures.

Applications

- All interior commercial applications.



Web Sites:
www.cgcinc.com
www.usgdesignstudio.com
www.sustainableceilings.com
www.seismicceilings.com

Customer Service
 Ontario/Atlantic Canada 800-387-2690
 Quebec/Eastern Ontario 800-361-1310
 Western Canada 800-242-4418

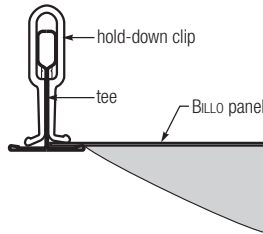
Product Information			
Materials	Sizes and Weight	Module Size	Code Approval
Panels: Preformed Lexan polycarbonate. Suspension System: All 2' x 2' DOWN 9/16" CENTRICITEE™ DXT and FINELINE® DXF/DXFF profiles. Panels to fit the 2' x 2' 15/16" DX®/DXL™ suspension system are available as a special order.	Panels: 2' x 2' Weight: .25 lbs./sf.	Full 2' x 2' modules only.	BILLO Lexan infill panels meet Class A requirements for flame spread and smoke developed as defined by ASTM E1264, NFPA and IBC (UBC) as tested in accordance with ASTM E 84.

Finishes	Panel Colour	Panel Light Transmission	Suspension System Coordinating Colours
	Clear Translucent	94%	Silver Satin
	Blue Translucent	78%	Blue
	Glass Green Translucent	77%	Glass Green
	White Translucent	26%	Flat White
	White Opaque	8%	Flat White

Edge Details	BILLO Panels with 9/16" CENTRICITEE DXT Suspension	BILLO Panels with 9/16" FINELINE DXF Suspension	BILLO Panels with 9/16" FINELINE 1/8 DXFF Suspension	BILLO Panels with 15/16" DX/DXL Suspension

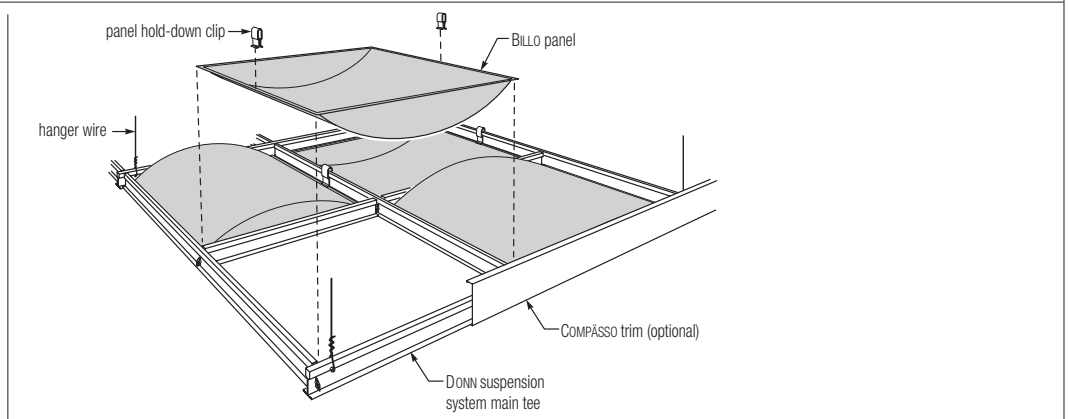
Panel Hold-Down Clip

Supplied with 9/16" Down panels; available with 15/16" Down panels and 9/16" and 15/16" Up panels.



Assembly

View from Above



For More Information

Product literature
 Data sheet # ESP_OS45

Online tools
 Visit usgdesignstudio.com for details and 3-D models.

Recycled content

BILLO panels: 0% recycled content; 100% recyclable.



CELEBRATION Silver Satin Metal Ceiling Panels/
DONN FINELINE DXF Suspension System

LEED Credits

MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance ²
●	●	●				●

Features and Benefits

- Aluminum panels provide a monolithic appearance.
- Easy installation into standard DONN® brand FINELINE® DXF suspension system.
- Snap-up installation with downward access is excellent for shallow plenum areas.
- Systems up to 30" wide and 78" long windload tested to 120 MPH with proper bracing and exterior framing.

Applications

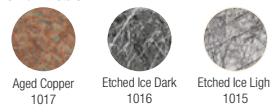
- Entertainment
- Gaming
- Exterior soffits
- Hospitality
- Transportation terminals



Painted Metals



Premium Metals



Wood Tones



Anodized Metals



Product Information				
Materials	Finishes	Typical Sizes ³	Plenum Depth	Weight
Aluminum panels: Painted or anodized.	2' x 2' panels available with perforation and/or embossing.	2' x 2', 4' x 4', ⁴ 30" x 30"	Since panels are installed from below, the clearance for installation and removal of panels is minimal. Additional plenum clearance of up to 9" is required for air boot and lighting installations, depending on the unit selected.	Approximately .53 lbs. per sq. ft., not including lights and air diffusers.

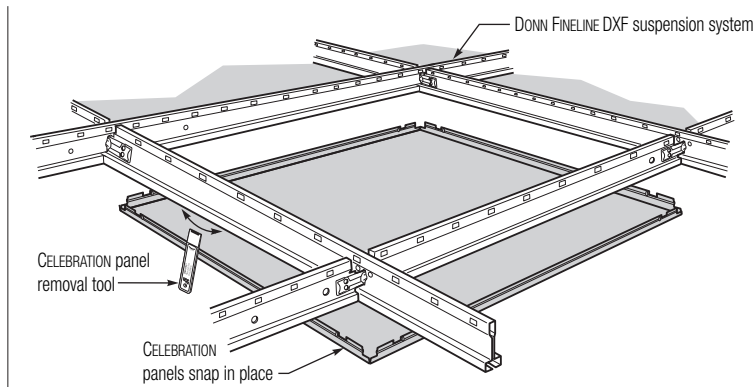
Grid Layout The modular nature of CELEBRATION ceilings must be considered when an installation is designed. Main tees and cross tees are exactly on module lines. Panels may be field-cut at walls and columns or terminated at a grid module for island installations.

Acoustics	Description	Optional Acoustical Material	Sound Rating – NRC	
			Perforation A062	Perforation A116
	Perforated panel	ACOUSTIBOND backer	.65	.70
	Perforated panel	1-1/2", 6 lb. density fiberglass	.90	.95
	Perforated panel	2", .75 lb. fiberglass in poly bag	.85	.90

Air Handling Air diffusers may be located around the perimeter of the ceiling or laid into the grid in place of CELEBRATION panels. The CELEBRATION diffuser is an extruded aluminum frame with matching faceplate and colour-coordinated vanes, in 1-, 2-, 3-, and 4-slot configurations, with four-directional throw.

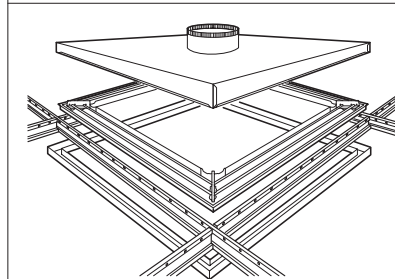
Code Approval CELEBRATION panels provide a continuous interlock with the suspension system. Supporting grid is capable of sustaining loads greater than those imposed by the CELEBRATION system when installed in accordance with manufacturer's instructions.

Perspective

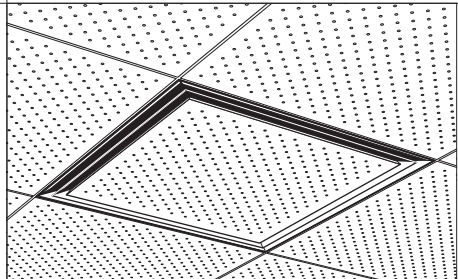


CELEBRATION Air Diffuser
 Available in 1-, 2-, 3- and 4-slot configurations, with four-directional throw.

View from above



View from below



For More Information

Product literature
 Data sheet# ESP_OS46
Online tools
usgdesignstudio.com

Acoustics
 These values are for standard A062 perforation pattern.
Recycled content
 CELEBRATION aluminum panels: 70% recycled content.

Footnotes
 1. Dependent on location; contact your CGC representative.
 2. Requires perforation and ACOUSTIBOND backer.
 3. Additional sizes available on request.
 4. Interior use, painted finishes only.

Celebration™ Planks and Large Sizes



2' x 6' and 1' x 4' CELEBRATION Planks

LEED Credits

MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance ²
●	●	●				●

Features and Benefits

- Available in numerous painted colours and Wood Tones, and a range of perforation patterns.
- Precision 1/4" reveal and concealed suspension system provide a monolithic appearance.
- Snap-up installation into standard DOWN® brand FINELINE® DXF suspension system provides downward access.
- Perforated panels with ACOUSTIBOND® sound backer produce .65 NRC without additional acoustical material (enclosed plenum, minimum depth 18").

Applications

- Offices
- Entertainment
- Gaming
- Hospitality
- Transportation terminals



Painted Metals



Wood Tones³



Product Information			
Materials	Typical Sizes ⁴	Plenum Depth	Weight
Aluminum panels	1' x 4', 1' x 5', 20" x 60", 2' x 6', 2' x 8', 30" x 60"	Since panels are installed from below, the clearance for installation and removal of panels is minimal. Additional plenum clearance of up to 9" is required for air boot and lighting installations, depending on the unit selected.	Approximately .53 lbs. per sq. ft., not including lights and air diffusers.

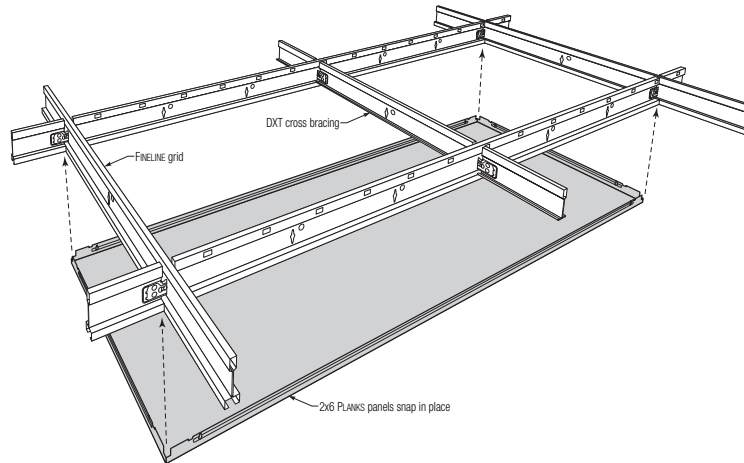
Grid Layout The modular nature of CELEBRATION ceilings must be considered when an installation is designed. Main tees and cross tees are exactly on module lines. Panels may be field-cut at walls and columns or terminated at a grid module for island installations. Intermediate tees required with panels longer than 5 ft. For plank-style suspension and layout options, visit usg.planks.pivotinteractive.com or usgdesignstudio.com.

Acoustics	Description	Optional Acoustical Material	Sound Rating – NRC	
			Perforation A062	Perforation A116
	Perforated panel	ACOUSTIBOND backer	.65	.70
	Perforated panel	1-1/2", 6 lb. density fiberglass	.90	.95
	Perforated panel	2", .75 lb. fiberglass in poly bag	.85	.90

Air Handling Air diffusers may be located around the perimeter of the ceiling or laid into the grid in place of CELEBRATION panels. The CELEBRATION diffuser is an extruded aluminum frame with matching faceplate and colour-coordinated vanes, in 1-, 2-, 3-, and 4-slot configurations, with four-directional throw.

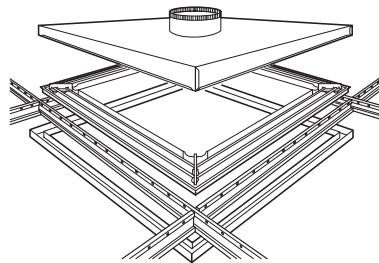
Code Approval CELEBRATION panels provide a continuous interlock with the suspension system. Supporting grid is capable of sustaining loads greater than those imposed by the CELEBRATION system when installed in accordance with manufacturer's instructions.

Perspective

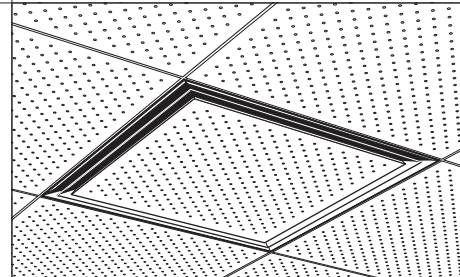


CELEBRATION Air Diffuser
 Available in 1-, 2-, 3- and 4-slot configurations, with four-directional throw.

View from above



View from below



For More Information

Product literature
 Data sheet# ESP_OS47
Online tools
 – usgdesignstudio.com
 – usg.planks.pivotinteractive.com

Acoustics
 These values are for standard A062 perforation pattern.
Recycled content
 CELEBRATION aluminum panels: 70% recycled content.

Footnotes
 1. Dependent on location; contact your CGC representative.
 2. Requires perforation and ACOUSTIBOND backer.
 3. Available for 1'x4', 1'x5', 20"x60" and 2'x6' panels (Metallic Oyster, Gold and Copper).
 4. Additional sizes available on request.



COMPASSO Perimeter Trim with HALCYON CLIMAPLUS Ceiling Panels/
DONN FINELINE DXF Suspension System

LEED Credits

MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●				

Features and Benefits

- Creates free-form ceiling islands or fascias to define space and provide visual impact.
- Available in six trim heights: 2-1/4", 4", 6", 8", 10" and 12".
- Costs a fraction of conventional drywall soffit construction.
- Made to order—arrives onsite pre-engineered.
- Strong, durable, and long-lasting steel or aluminum construction.
- Guaranteed to fit all CGC ceiling systems.

Applications

- Contemporary offices
- Entertainment
- Gaming
- High-bay areas
- Retail spaces
- Virtually anywhere



Painted Metals



Flat White



Silver Satin
002



Polished Aluminum
PM61



Polished Brass
PM21

Wood Tones²



Cherry

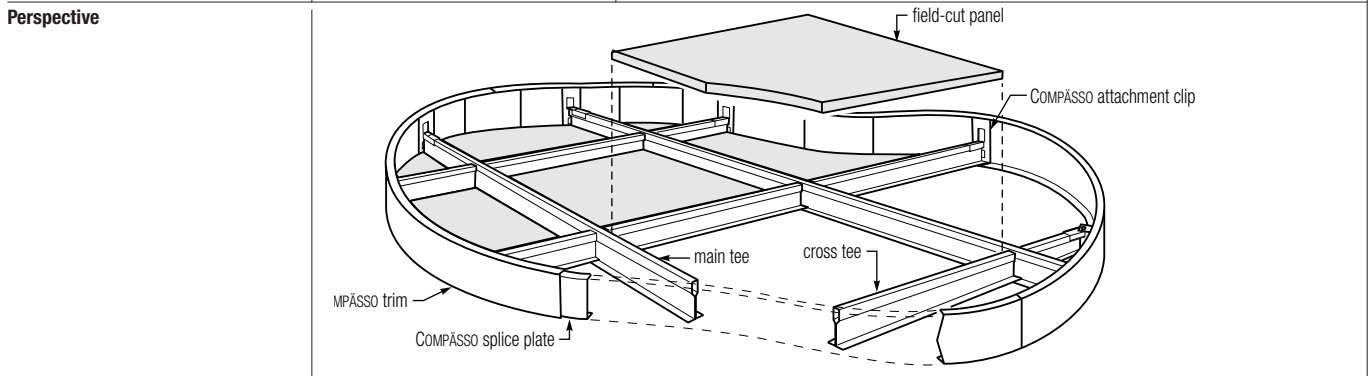


Maple



Oak

Perspective	Product Information	
	Materials	
	2-1/4", 4", 6" and 8" painted steel. 10" and 12" painted aluminum.	



Trim Profiles	2-1/4"	4"	6"	8"	10"	12"

Attachment Clip	2-1/4", 4", 6", 8"	10", 12"

For More Information	Product literature Data sheet# ESP_OS48	Recycled content COMPASSO 2-1/4", 4", 6" and 8": 25% recycled content; 10" and 12": 70% recycled content.	Footnote 1. Dependent on location; contact your CGC representative. 2. Available for 2-1/4", 4", 6" and 8" profiles.
	Online tools usgdesignstudio.com		

C² Paired Compásso™ Channels



C² Paired COMPASSO Channels

LEED Credits

MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●				

Features and Benefits

- Unique, multi-functional ceiling accents combine form and function.
- Easily integrate lighting and signage; can also be used as way-finding devices.
- Available in straight and curved sections; five sizes; and custom colours to meet any design need.
- Easy to install—suspend from ceiling with hanger wire, cable or rods.

Applications

- Retail spaces
- Contemporary offices
- Education environments
- Entertainment
- Gaming



Painted Metals



Flat White



Silver Satin
002

Anodized Metals²



Polished Aluminum
PM61



Polished Brass
PM21

Wood Tones



Cherry



Maple



Oak

Web Sites:
www.cgcinc.com
www.usgdesignstudio.com
www.sustainableceilings.com
www.seismicceilings.com

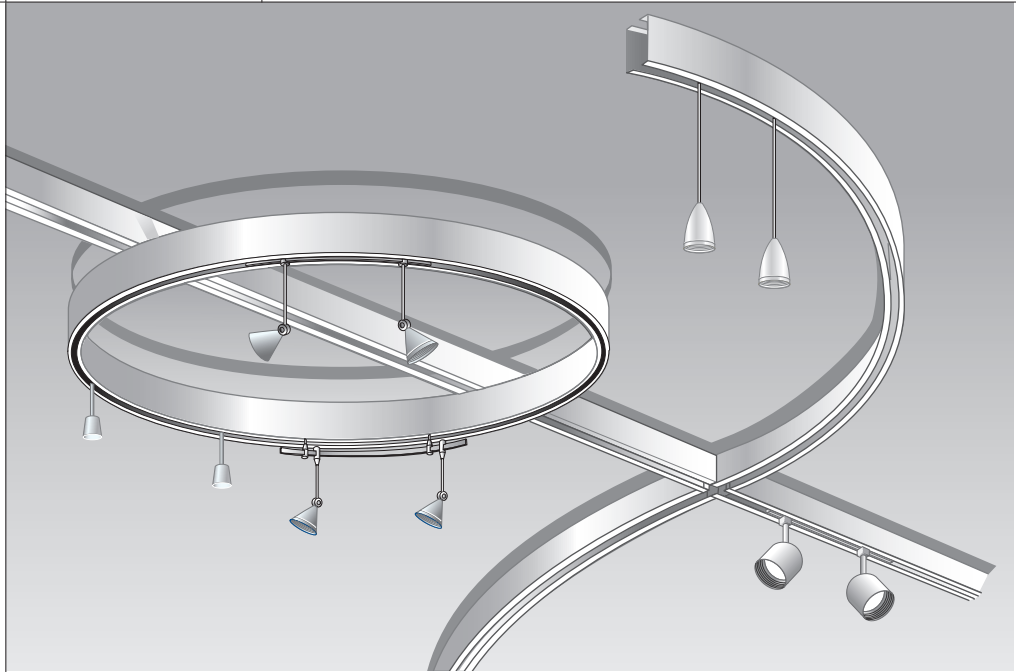
Customer Service
 Ontario/Atlantic Canada 800-387-2690
 Quebec/Eastern Ontario 800-361-1310
 Western Canada 800-242-4418

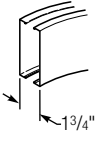
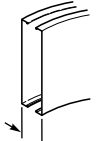
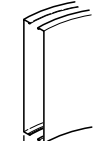
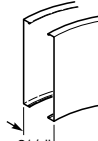
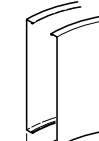
Product Information

Materials

Painted steel

Custom Designs
 Pre-engineered –
 no field cutting



Size Options	Narrow Reveal (5/8")			Wide Reveal (1-3/8")	
	4"	6"	8"	6"	8"
					

Exposed Hanger Solutions

For ceiling islands and other installations with exposed hanger wires, CGC offers stainless steel wire and rope wire with a variety of connectors for an attractive alternative to standard 12-gauge wire.

For More Information

Product literature
 Data sheet#ESP_OS49
Online tools
usgdesignstudio.com

Recycled content
 COMPASSO channels: 25% recycled content.
Footnote
 1. Dependent on location; contact your CGC representative.



COMPASSO SLIM Perimeter Trim

LEED Credits

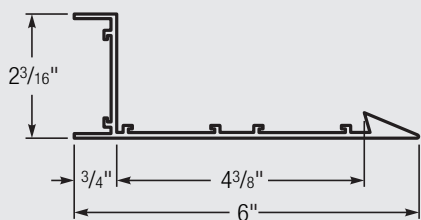
MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●		●				

Features and Benefits

- Creates a wide, low-profile edge.
- Dramatically frames ceiling islands.
- An innovative alternative to traditional perimeter trim.
- Extruded aluminum with durable Slim White baked polyester paint finish.
- Precision-engineered to fit DX®/DXL™, CENTRICITEE™ DXT and FINELINE® DXF/DXFF suspension systems.
- Compatible with Square (SQ), Shadowline (SL) and Finline (FL) acoustical panel edge profiles.

Applications

- Contemporary offices
- Entertainment
- Gaming
- High-bay areas
- Retail spaces



Section Detail



Product Information

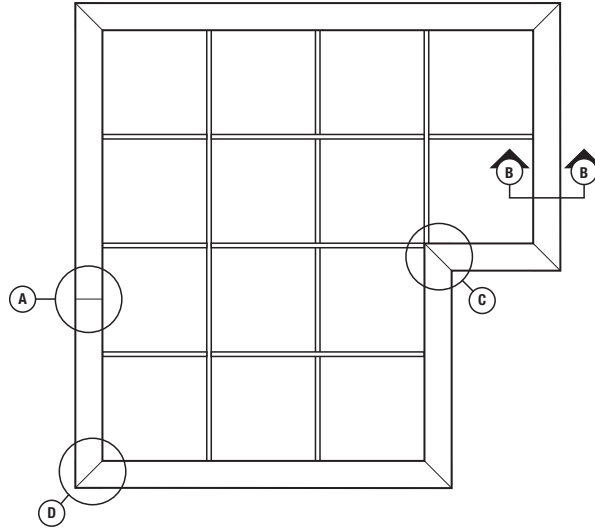
Materials

Extruded aluminum.

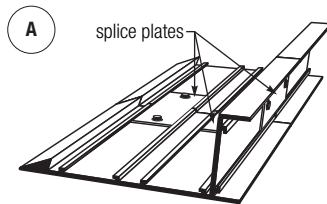
Finishes

Slim White baked polyester paint finish; painted in custom colours.

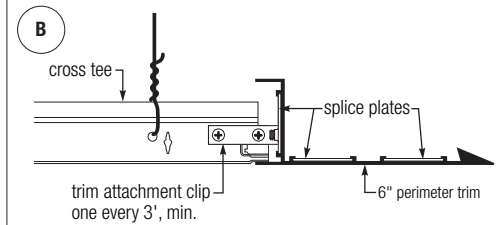
Reflected Plan



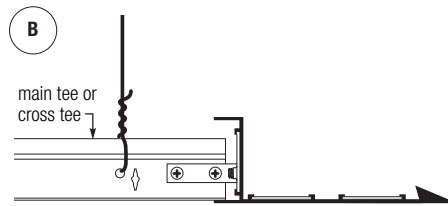
Splice Assembly



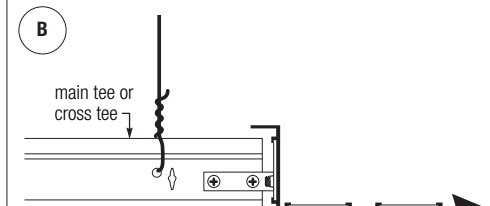
Edge Detail – DX/DXL and CENTRICITEE, Full Module, at Cross Tees



Edge Detail – DX/DXL and CENTRICITEE, Full and Partial Module



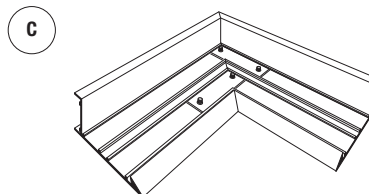
Edge Detail – FINELINE Full and Partial Module



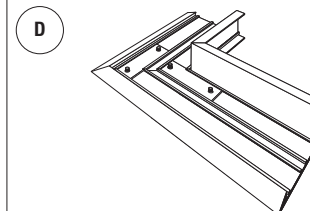
Field-Mitered Corner Assembly

Perimeter trim is mitered in the field and connected securely with two splice plates.

Inside Corner



Outside Corner



For More Information

Product literature
 Data sheet#ESP_OS50

Online tools
usgdesignstudio.com

Recycled Content
 0% recycled content;
 100% recyclable.

Footnotes
 1. Dependent on location; contact your CGC representative.



Two-Directional CURVATURA System with Perforation/
CURVATURA 15/16" Suspension System

LEED Credits

MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance ²
●	●	●				●

Features and Benefits

- Create dramatic three-dimensional curved designs that combine shape, texture and lighting.
- Curved main tee segments and flexible panels provide endless combinations.
- Available in two configurations: One-Directional CURVATURA™ with 2' x 6' infill panels, and Two-Directional CURVATURA™ with 2' x 2' panels.
- Two suspension profiles: traditional CURVATURA (15/16" grid profile) and CURVATURA Elite (9/16" profile with 5/32" reveal).
- Custom colours available.

Applications

- Contemporary office environments
- Entertainment, gaming
- High-bay areas
- Retail space



See Metal Finishes selector for panel, suspension and trim colour availability.

Painted Metals

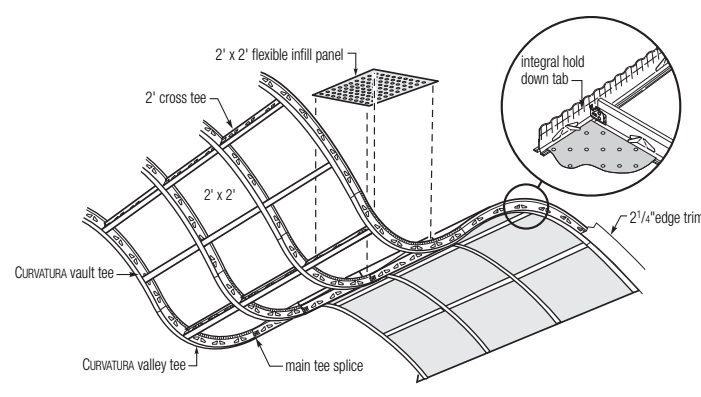
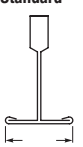
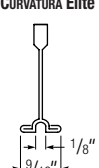
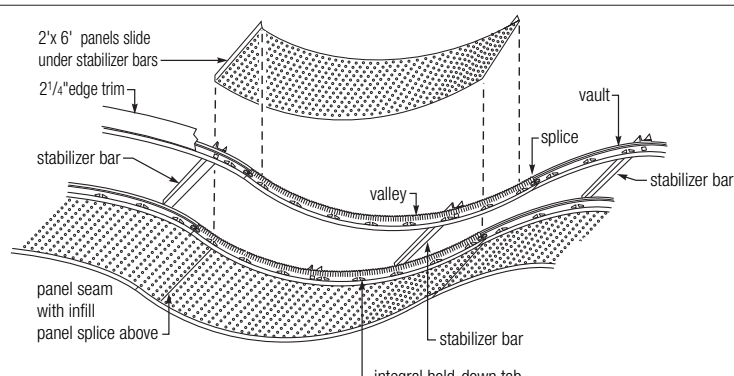


Diamondflex³



Wood Tones³



		Product Information			
		Materials		Finishes	
		Panel: Available smooth or perforated, in Painted Metals and Diamondflex expanded metal! 2'x2' TRANSLUCENTS™ panels are also available.		Available with perforation and/or embossing	
Perspective	Two-Directional System	2' x 2' Panels 		Available Grid Profile Standard  CURVATURA Elite 	
	One-Directional System	2' x 6' Panels 			
Curved Components (Available as vaults and valleys)	10' Length	8' Length	6' Length	4' Length	
	R = 229"	R = 183"	R = 138"	R = 92"	
	R = 153"	R = 122"	R = 92"	R = 61"	
	R = 115"	R = 92"	R = 69"	R = 46"	
	R = 77"	R = 61"	R = 46"	R = 31"	
For More Information	Product literature Data sheet#ESP_OS51	Online tools usgdesignstudio.com	Recycled Content CURVATURA aluminum panels: 70% recycled content; Steel panels: 25% recycled content. Suspension: 25% recycled content. Trim: 25% recycled content.	Footnote 1. Dependent on location; contact your CGC representative. 2. Requires perforation and ACOUSTIBOND backer. 3. Diamondflex and Wood Tone panels available for Two-Directional CURVATURA.	



ELEGANCE Linear Tuscan coffers

LEED Credits

Recycled Content: 70%

MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●				

Features and Benefits

- Available in standard 2' x 2' sizes.
- Fits easily into 15/16" DONN Grid System.
- Class A flame spread when tested to ASTM E84 test standard.
- Manufactured from 70% by volume post consumer recycled glass.
- Pre-cut openings for hardware available or panels can be field cut on site.
- Available in standard white latex primer.
- Custom colour finishes and designs available upon request.

Applications

- Corporate institutions
- Office conferencing areas
- Hospitality
- Residential



Patterned Finishes



White



Bronze



Cappuccino



Dark Oak



London Red



Sandstone



Yellow Patina and Gold Leaf

Product Information	
Materials	Module Size
Lightweight gypsum with 70% by volume post-consumer recycled paper.	Full 2' x 2' modules only.

Elegance Panels	Size	Item Number	Edge	Surface	Colour
Acanthus Leaf	15/16" x 2' x 2'	AL400	SL	Smooth	White/Pattern/Custom
Classic Linear	15/16" x 2' x 2'	CL120	SL	Smooth	White/Pattern/Custom
Egg and Dart	15/16" x 2' x 2'	ED200	SL	Smooth	White/Pattern/Custom
Linear Tuscan	15/16" x 2' x 2'	LT100	SL	Smooth	White/Pattern/Custom
Deco Shapes	15/16" x 2' x 2'	DS510	SL	Smooth	White/Pattern
Perimeter Tile	15/16" x 2' x 2'	PT110	SL	Smooth	White/Pattern/Custom
Perimeter Tile	15/16" x 2' x 2'	PT115	SQ	Smooth	White/Pattern/Custom

Panel Designs	Acanthus Leaf 2' x 2'	Classic Linear 2' x 2'	Egg and Dart 2' x 2'	Linear Tuscan 2' x 2'	Deco Shapes 2' x 2'
	Perimeter SL 2' x 2'	Perimeter SQ 2' x 2'			

**Physical Data/
Footnotes**

Product literature
Data sheet: ESP_OS37

Material
Lightweight gypsum with 70% by volume post-consumer recycled glass.

Finishes
Standard white latex primer (contact your local sales representative for details), pattern and custom colours available.

Recycled content
Recycled content: 70%.
See recycled Content Selector (CSC2254).

ASTM E84 Surface burning characteristics
Class A
Flame spread: 10/15
Smoke developed: 10/15

Footnotes
1. Dependent on location; contact your CGC representative.
2. Load test data shows uniform load in lbs./LF based on simple span tests in accordance with ASTM C635 deflection limit on L/360.
3. Custom color available.
4. For more information on moldings, see the Perimeter Interface selector.
5. Panels must be specified to be field-cut to size and field-revealed to provide as wide a lay-on edge as possible.



GEOMETRIX 3" Flat Panels and 3" Wedge Panels/
DOWN CENTRICITEE DXT Suspension System

LEED Credits

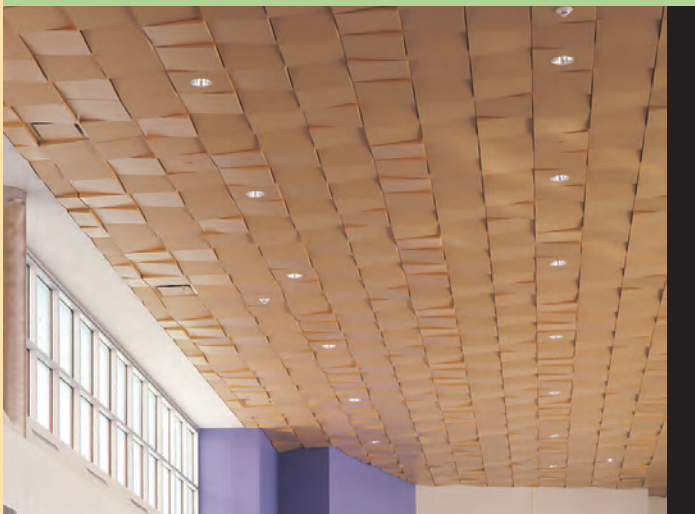
MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance ²
●	●	●				●

Features and Benefits

- Multiple profiles and depths lend new dimension to ceiling and wall design.
- Panel depths ranging from 1-1/4" to 3" allow a spectrum of possibilities, from subtle textures to bold rhythms.
- 2' x 2' lay-in panels are compatible with 9/16" and 15/16" DOWN® brand suspension systems.
- Solid or perforated panels.
- Available in Flat White, Silver Satin and custom colours for design versatility.

Applications

- All commercial applications



Painted Metals



Flat White



Silver Satin
002

Product Information					
Materials		Size and Weight	Finishes		
Panels: Aluminum ³		Panels: 2' x 2'; Panel weight (for 3" deep flat panel): 0.75 lbs./sf.	Panels are available in smooth metal or in a choice of five perforated patterns (C375, D250, D375, C062 and C062A). A black ACOUSTIBOND [®] backer is included on all perforated panels unless otherwise specified. ACOUSTIBOND backer is also available in white.		
Acoustics	Description	Optional Acoustical Material	Sound Rating – NRC		
	Perforated panel	ACOUSTIBOND backer	Perforation A062	Perforation A116	
	Perforated panel	1-1/2", 6 lb. density fiberglass	.65	.70	
	Perforated panel	2", .75 lb. fiberglass in poly bag	.90	.95	
Panels	Configurations	Flat ^{4,5}	Wedge ⁴	Inside Wedge Corner	Outside Wedge Corner
	Depths				
Edge Details	GEOMETRIX Panels with 15/16" DX [®] /DXL [™] Suspension	GEOMETRIX Panels with 9/16" CENTRICITEE [™] DXT Suspension	GEOMETRIX Panels with 9/16" FINELINE [®] DXF Suspension	GEOMETRIX Panels with 9/16" FINELINE [®] 1/8 DXFF Suspension	
Assembly					

For More Information

Product literature
 Data sheet#ESP_OS52

Recycled content
 GEOMETRIX aluminum panels: 70% recycled content.

Online tools
www.usgdesignstudio.com

- Footnotes**
1. Dependent on location; contact your CGC representative.
 2. Requires perforation and ACOUSTIBOND backer.
 3. GEOMETRIX panels meet ASTM E84 Class A requirements for Surface Burning Characteristics.

4. Available pre-engineered utility circles accommodate lighting and utilities.
5. Also available with 5/16" depth.



GRIDWARE Suspension System (GWDXW) with 2' x 2' Cells in Custom Colour/
8" COMPASSO Perimeter Trim in Matching Colour

LEED Credits

MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●				

Features and Benefits

- Open-cell suspension system painted 360°.
- Main tees punched with only the necessary cross tee holes for a clean look.
- Available in three standard grid profiles: 9/16", 15/16", and 1-1/2".
- Simple system readily accommodates standard 2' x 4' and 2' x 2' lay-in light fixtures and air diffusers.
- Custom colours available.

Applications

- Accent areas
- Hospitality
- Retail spaces



Painted Metals



Flat White



Silver Satin
002



Flat Black

	Product Information			
	Materials	Typical Sizes	Finishes	
	Double-web, hot-dipped galvanized steel body and steel cap with chromated cross-tee clip.	2' x 2' module	– Standard finish available in Flat Black, Flat White, and Silver Satin pre-painted, baked polyester paint finishes with exposed chromate cross tee clips; touch-up paint is available to field-paint cross tee clips to match the finish. Spray-painted, baked polyester finish with 100% tee coverage available as a special order. – GWDXW and GWDXT available as a special order only; finish is spray-painted, baked polyester with 100% tee coverage.	
Face Options	GWDX	GDXW	GWDXT	GWM9 – Wall Angle
Design Options	2' x 2' Openings		2' x 4' Openings	4' x 4' Openings
			<p>Note locations of unused cross-tee holes (typical).</p>	<p>Note locations of unused cross-tee holes (typical).</p>
GRIDWARE Components	24" Cross Tee			
	48" Cross Tee			
	12' Main Tee			

Exposed Hanger Solutions
 For ceiling islands and other installations with exposed hanger wires, CGC offers stainless steel wire and rope wire with a variety of connectors for an attractive alternative to standard 12-gauge wire.

For More Information	Product literature Data sheet#ESP_OS53	Online tools usgdesignstudio.com	Recycled content GRIDWARE suspension: 25% recycled content.	Footnotes 1. Dependent on location; contact your CGC representative.
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PANZ Metal Ceiling Panels (FL edge) in Flat White/
DONN CENTRICITEE DXT Suspension System

LEED Credits

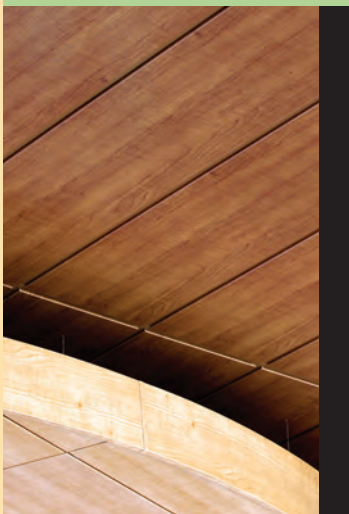
MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance ²
●	●	●				●

Features and Benefits

- Simple lay-in design provides 100% access.
- ACOUSTIBOND® sound backer produces .65 NRC without additional acoustical material when panels are installed within an enclosed plenum (minimum plenum depth: 18”).
- Available in numerous perforation patterns.
- Creates reveal edge on field-cut panel.
- Available with same edge details as CGC acoustical panels.

Applications

- Computer and utility rooms
- Entertainment
- Gaming
- Frequently accessed plenums



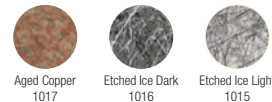
Diamondflex®



Painted Metals



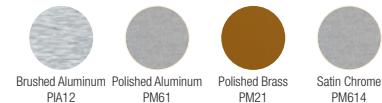
Premium Metals

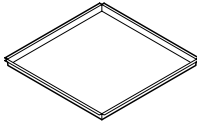
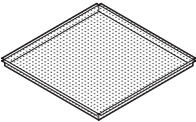
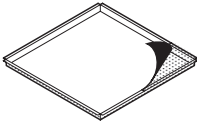
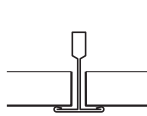
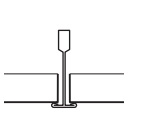
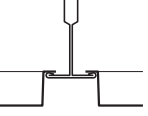
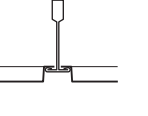
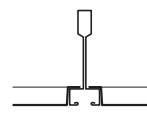
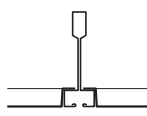
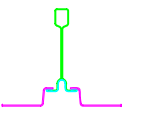


Wood Tones



Anodized Metals



	Product Information			
	Materials	Typical Sizes	Finishes	
	Panels: Aluminum	2' x 2', 2' x 4'	2' x 2' panels available with perforation and/or embossing.	
Acoustics	Description	Optional Acoustical Material	Sound Rating – NRC	
			Perforation A062	Perforation A116
	Perforated panel	ACOUSTIBOND backer [†]	.65	.70
	Perforated panel	1-1/2", 6 lb. density fiberglass	.90	.95
	Perforated panel	2", .75 lb. fiberglass in poly bag	.85	.90
Panels	Smooth Panel	Perforated Panel	Perforated Panel with ACOUSTIBOND³ Backer	
				
Edge Details	Square Edge with 15/16" DX[®]/DXL[™] Suspension	Square Edge with 9/16" CENTRICITEE[™] DXT Suspension	Shadowline Edge with 15/16" DX/DXL Suspension	Fineline Edge with 9/16" CENTRICITEE DXT Suspension
				
	Fineline Edge with 9/16" FINELINE[®] DXF Suspension	Fineline Edge with 9/16" FINELINE[®] 1/8 DXFF Suspension	Fineline Edge with 9/16" MERIDIAN DXM Suspension	
				

For More Information

Product literature
 Data sheet#ESP_OS54
Online tools
usgdesignstudio.com

Light reflectance
 Flat White: LR-0.8
 (less with perforations).
Recycled content
 PANZ aluminum panels: 70% recycled content. DIAMONDFLEX steel panels: 25% recycled content.

Footnote
 1. Dependent on location; contact your CGC representative.
 2. Requires perforation and ACOUSTIBOND backer.
 3. ACOUSTIBOND backer not standard with DIAMONDFLEX panels.

For information on trademarks refer to EAC_A377

Panz® Planks and Large Sizes



600mm x 1050mm PANZ Field Panels, 400mm x 1800mm PANZ Channel Panels

LEED Credits

MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance ²
●	●	●				●

Features and Benefits

- Range of sizes for large-module ceilings.
- Available in numerous painted colours and Wood Tones, and a range of perforation patterns.
- Simple lay-in design provides 100% access.
- Perforated panels with ACOUSTIBOND® sound backer produce .65 NRC without additional acoustical material (enclosed plenum, minimum depth 18”).
- Available with same edge details as CGC acoustical panels.

Applications

- Computer and utility rooms
- Entertainment
- Gaming
- Frequently accessed plenums

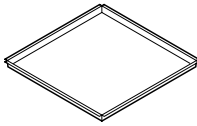
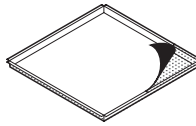
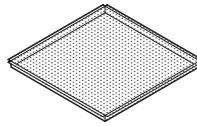
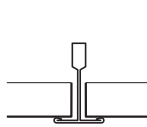
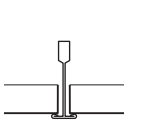
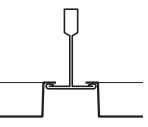
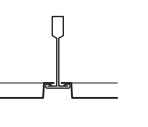
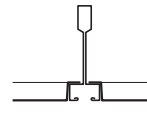
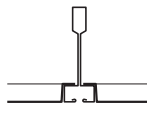
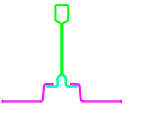


Painted Metals



Wood Tones³



	Product Information			
	Materials	Typical Sizes		
	Aluminum Panels	1' x 4', 1' x 5', 20" x 60", 2' x 6', 2' x 8', 30" x 60",		
Acoustics	Description	Optional Acoustical Material	Sound Rating – NRC	
			Perforation A062	Perforation A116
	Perforated panel	ACOUSTIBOND backer	.65	.70
	Perforated panel	1-1/2", 6 lb. density fiberglass	.90	.95
	Perforated panel	2", .75 lb. fiberglass in poly bag	.85	.90
Panels	Smooth Panel	Perforated Panel – ACOUSTIBOND Backer Standard	Perforated Panel (No Backer – Optional)	
				
Edge Details	Square Edge with 15/16" DX®/DXL™ Suspension	Square Edge with 9/16" CENTRICITEE™ DXT Suspension	Shadowline Edge with 15/16" DX/DXL Suspension	Fineline Edge with 9/16" CENTRICITEE DXT Suspension
				
	Fineline Edge with 9/16" FINELINE® DXF Suspension	Fineline Edge with 9/16" FINELINE® 1/8 DXFF Suspension	Fineline Edge with 9/16" MERIDIAN DXM Suspension	
				

For More Information

Product literature
 Data sheet#ESP_OS55
Online tools
 – usgdesignstudio.com
 – usg.planks.pivotinteractive.com

Light reflectance
 Flat White: LR-0.8
 (less with perforations).
Recycled content
 PANZ aluminum panels:
 70% recycled content.

Footnote
 1. Dependent on location; contact your CGC representative.
 2. Requires perforation and ACOUSTIBOND backer.
 3. Available for 1' x 4', 1' x 5', 20" x 60" and 2' x 6' panels.



PARALINE Linear Metal Ceiling System with Field-Applied Custom Paint

LEED Credits

MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance ²
●	●	●				●

Features and Benefits

- Elegant linear metal ceiling system features 12’ long metal pans attached to a specially engineered suspension system.
- Closed-reveal PARALINE II pans are appropriate for exterior ceiling applications under protected soffits.
- Snap-up design offers unlimited access with minimum plenum depth requirements.
- Wind load tested (120 mph) with proper bracing and exterior framing.
- Available with perforated pans for PARALINE II for NRC ratings as high as .95 when backed with fiberglass.

Applications

- Exterior soffits
- High-bay areas
- Retail stores
- Transportation terminals



Painted Metals



Flat White



Silver Satin
002



Metallic Copper
1690



Metallic Gold
1691



Metallic Oyster
1652

Anodized Metals



Brushed Aluminum
PIA12



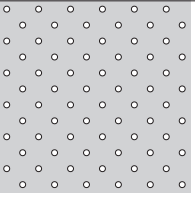
Polished Aluminum
PM61

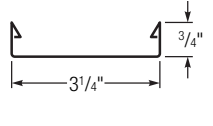
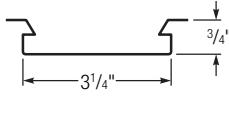
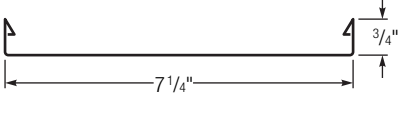


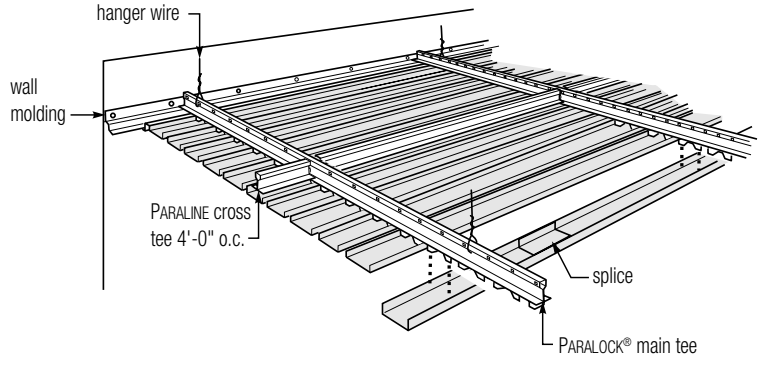
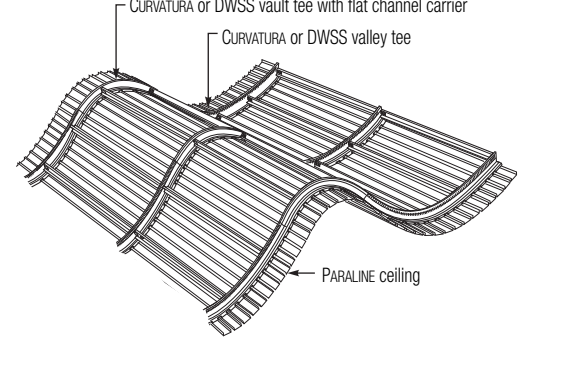
Polished Brass
PM21



Satin Chrome
PM614

Product Information			
Materials		Typical Sizes	Finishes
PARALINE I, II, and III: Aluminum		3-1/4" x 12', 7-1/4" x 12'	Perforation available: PARALINE II only.
PARALINE II Perforation Pattern		Round—1/16" perforations .235 o.c., 5% open area (Perforation shown 50% actual size)	

Details	PARALINE I	PARALINE II	PARALINE III
			
	PARALINE I ceilings use 3-1/4" wide pans with roll-finished edges. Once assembled, the pans provide an open reveal for excellent acoustical control (sound is absorbed by acoustical material in the plenum).	PARALINE II ceilings maintain the 3-1/4" wide pan dimension, but are constructed with integral flanges that overlap to form a reveal closure that is appropriate for exterior soffit applications. Perforated available.	PARALINE III ceilings have bolder, 7-1/4" wide pans for larger-scale applications. Pans have a roll-finished edge to provide the same open reveal as PARALINE I with similar acoustical control.

Perspective	CGC Drywall Suspension System or CURVATURA Suspension For PARALINE Wave Ceilings
	

For More Information	Product literature Data sheet# ESP_OS56 Online tools usgdesignstudio.com	Fire-rated designs UL fire-rated design number D-218 rating for 2-hour or 3-hour restrained or unrestrained assembly and 3-hour unrestrained beam rating.	Light reflectance Flat White: LR-0.80 (less with perforations and other colours). Recycled content PARALINE: 70% recycled content.	Footnote 1. Dependent on location; contact your CGC representative. 2. PARALINE II with perforation and fiberglass backing.	For information on trademarks refer to EAC_A377
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PARALINE PLUS Linear Metal Ceiling System

LEED Credits

MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance ²
●	●	●				●

Features and Benefits

- Elegant, imaginative linear metal ceiling system consists of 12' long linear metal pans applied to a specifically adapted suspension system, including the CURVATURA™.
- PARALINE PLUS™ pans feature NRC ratings as high as .95 when overlaid with fiberglass.
- Snap-up design offers unlimited access with minimum plenum depth requirements.
- Wind load tested (120 mph) with proper bracing and exterior framing.
- Closed reveal PARALINE PLUS™ pans are appropriate for exterior ceiling applications under protected soffits, as well as interior applications.

Applications

- Exterior soffits
- High-bay areas
- Retail stores
- Transportation terminals



Painted Metals



Flat White



Silver Satin
002



Metallic Copper
1690



Metallic Gold
1691



Metallic Oyster
1652

Anodized Metals



Brushed Aluminum
PIA12



Polished Aluminum
PM61



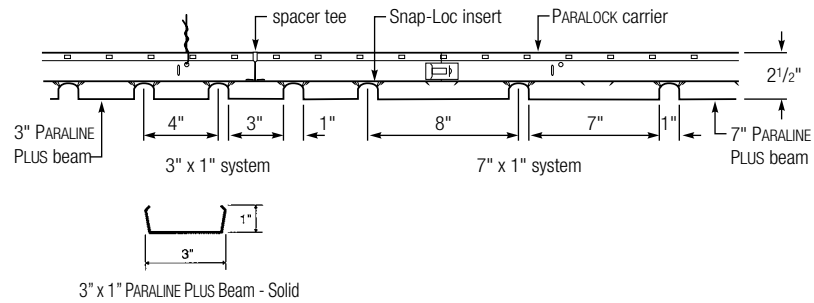
Polished Brass
PM21



Satin Chrome
PM614

Details

Beams

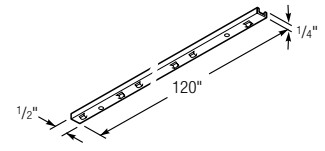
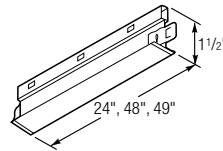
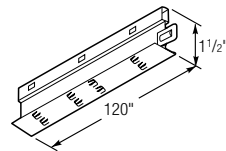


Carriers

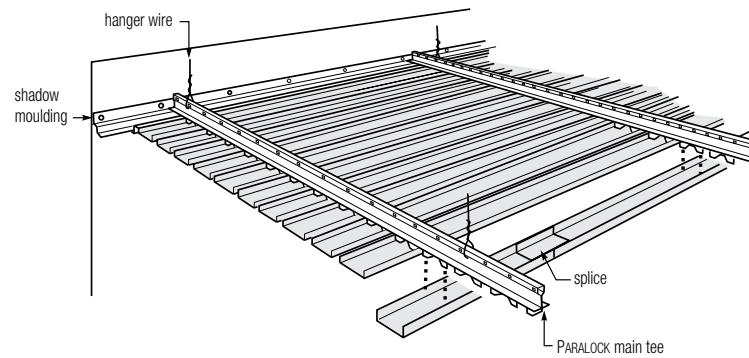
PARALOCK® Carrier (Standard)

PARALOCK Spacer Tee

Flexible PARALOCK Carrier



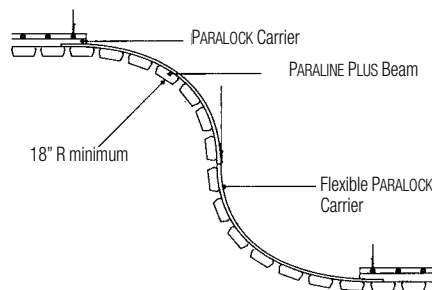
Perspective



Typical Sizes

3' x 12'	75 x 3600 mm	7' x 12'	178 x 3600 mm
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Flexible PARALOCK Carrier



Physical Data/ Footnotes

Product literature
 Data sheet: ESP_OS56
Online Tools
usgdesignstudio.com

Fire-rated designs
 UL fire-rated design number D-218 rating for 2-hour or 3-hour restrained or unrestrained assembly and 3-hour unrestrained beam rating.

Light reflectance
 Flat White: LR-0.80 (less with perforations and other colours).
Recycled content
 Paraline: 70% recycled content.

Footnotes
 1. Dependent on location; contact your CGC representative.
 2. PARALINE: 70% recycled content.

Topo™ 3-Dimensional System



Topo System 12 with White Opaque Panels

System at a Glance

Transform flat ceiling planes into gently rolling landscapes with pre-formed panels that install easily into the narrow-profile DONN® brand Topo suspension system.

Features and Benefits

- Two system depths (8" and 12") create varying ceiling topographies.
- Translucent and opaque Lexan® infill panels in five colours enhance existing lighting for added visual interest.
- Optional pre-engineered utility circles accommodate additional lighting and utility access.

Applications

- All commercial applications



Clear Translucent



Blue Translucent



Glass Green Translucent



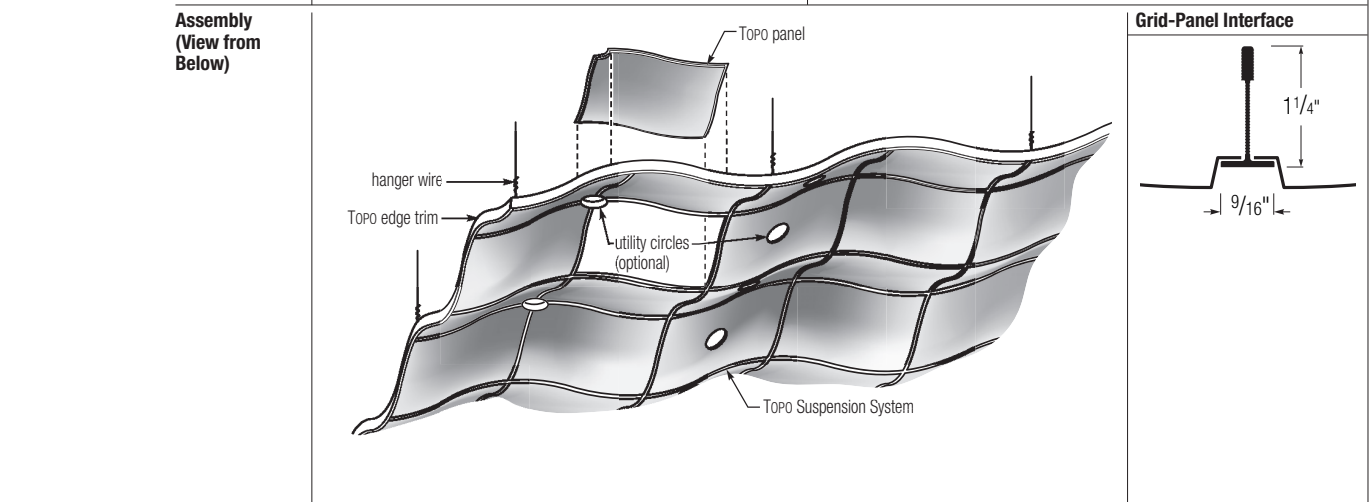
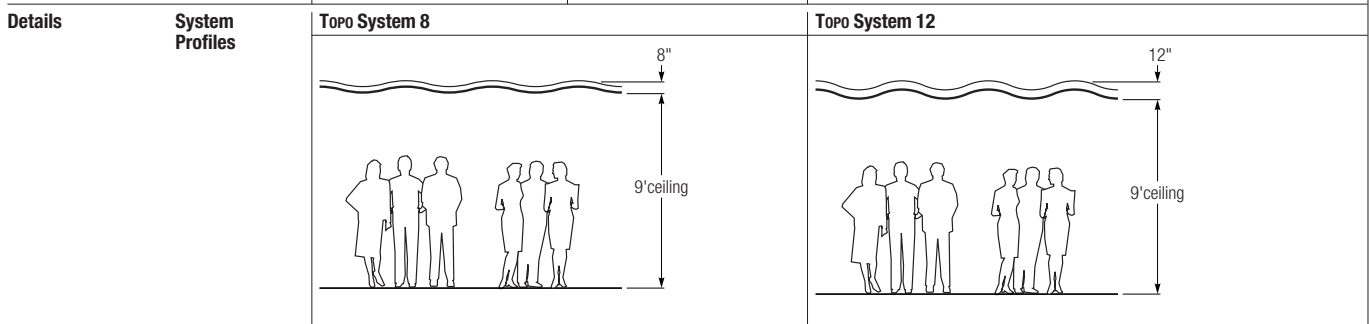
White Translucent



White Opaque

Product Information		
Materials	Size and Weight	Module Size
Panels: Pre-formed Lexan. Material thickness 0.04". Suspension system: Extruded aluminum available in colour-coordinated finishes. Edge trim system: painted cold-rolled steel.	Panels: 2' x 2'. System weight: 0.5 lbs./sf.	Full 2' x 2' modules only.

Finishes	Colour	Light Transmission	Topo Suspension System Coordinating Colours
	Clear Translucent	94%	Silver Satin
	Blue Translucent	78%	Topo Blue
	Glass Green Translucent	77%	Topo Glass Green
	White Translucent	26%	Flat White
	White Opaque	8%	Flat White



Exposed Hanger Solutions
 For ceiling islands and other installations with exposed hanger wires, CGC offers stainless steel wire and rope wire with a variety of connectors for an attractive alternative to standard 12-gauge wire.

For More Information	Product literature Data sheet#ESP_OS57 Online tools - usgdesignstudio.com - usg.com/resources/online/tools/topo/index.jsp	Recycled content Topo panels: 0% recycled content. Topo suspension: 50% recycled content. Topo trim 25% recycled content.	Code approval LEXAN infill panels meet Class A requirements for flame spread and smoke developed as defined by ASTM E1264, NFPA and IBC (UBC) as tested in accordance with ASTM E 84.
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TRANSLUENTS Luminous Infill Panels/
CENTRICITEE DXT Suspension System

LEED Credits

MR				EQ		
Waste Reduction	Recycled Content	Regional Materials	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●					

Features and Benefits



- Fully accessible translucent (luminous) infill panels.
- Panels can be used with standard DONN® brand DX®/DXL™, CENTRICITEE™ DXT, CURVATURA™ 3-D System and GRIDWARE suspension systems.
- Available in 5 finishes: Lexan® (Glass Green Matte and Clear Matte), FRP Smooth (Natural), Woven (12 color choices), Shimmer (3 color choices) and Textiles (5 color choices).
- 2' x 2' panels (23-3/4" x 23-3/4") in all finishes.
- Woven, Shimmer and Textiles finishes contain a minimum 40% recycled content.
- Class A finish rating only applies to the Lexan and FRP panels.
- Coordinating suspension and trim colors as well as larger colour swatches can be found on the Transluents Finishes page.

Applications



- Lobbies
- Contemporary office environments
- Entertainment, gaming areas
- High-bay areas
- Retail stores





Lexan®


 Glass Green Matte
  Clear Matte

Woven






 Hazelnut™
  Artichoke™

 Iris™
  Blush™

Shimmer

 Mandarin Iridescent™

Textiles

 White Fiberoptic™
  Matrix™
  Avanti™
  Lipstick Meander™
  White Meander™

Web Sites:
www.cgcinc.com
www.usgdesignstudio.com
www.sustainableceilings.com
www.seismicceilings.com

Customer Service
 Ontario/Atlantic Canada 800-387-2690
 Quebec/Eastern Ontario 800-361-1310
 Western Canada 800-242-4418

Product Information			
Materials	Typical Sizes		System Weight
	Nominal	Actual	
Glass Green, Clear – 0.060" Lexan	2'x 2'	23-3/4"x 23-3/4"	Approximately 0.7 lbs per sq. ft.
Woven, Shimmer, Textiles – 0.118" PETG	2'x 2'	23-3/4"x 23-3/4"	Approximately 0.9 lbs per sq. ft.

Acoustics This product does not offer any acoustical properties.

Lighting For Lexan and FRP panels, fluorescent strip fixtures should be placed a minimum of 18" above the ceiling and 18" o.c. for best results.

Suspension Systems Lays into standard DX/DXL, CENTRICITEE DXT, CURVATURA 3-D system and GRIDWARE suspension systems.

For More Information

Product literature
 Data Sheet:# ESP_0258

Online Tools
usgdesignstudio.com

This product is produced to order and will vary from batch to batch – panels ordered at the same time will be produced together and will be identical. CGC cannot guarantee batch to batch consistency.

Code approval
 Lexan infill panels meet Class A requirements for flame spread and smoke developed as defined by ASTM E1264, NFPA and IBC (UBC) as tested in accordance with ASTM E84. FRP infill panels meet Class B requirements for flame spread and smoke developed as defined by ASTM 1264 and as tested in accordance with ASTM E84. (40/175) CGC FRP infill panels also meet Class

A requirements of NFPA and IBC (UBC) as interior finishes, not to be part of an air supply/return system. Designers and installers are advised to consult a fire protection engineer, NFPA 13 and their local codes for guidance where automatic fire detection and suppression systems are present.
Weight
 0.625 lb./sq. ft. (FRP Smooth)

0.374 lb./sq. ft. (Lexan Glass Green Matte and Clear Matte)
 0.900 lb./sq. ft. (Woven, Textiles, Shimmer)

Recycled content
 Lexan panels: 0% recycled content, 100% recyclable.
 Woven, Textiles, Shimmer panels: min. 40% recycled content. 100% recyclable.

CGC Inc.
 350 Burnhamthorpe Rd. W., 5th Fl
 Mississauga, ON L5B 3J1

The color names listed herein are trademarks of Lumicor, Inc and are used with permission.

For information on trademarks refer to EAC_A377: CENTRICITEE, CURVATURA, DOWN, DX, DXL, DXT, GRIDWARE, TRANSLUCENTS, USG. Lexan is a registered trademark of General Electric Company. Woven, Shimmer and Textiles manufactured for CGC Interiors, Inc.

Safety First! Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read MSDS and literature before specification and installation.

Docket#ESP_0S58
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 Printed in Canada





TRANSPARENCIES Luminous Ceiling System

Features and Benefits

- Fully accessible luminous ceiling system provides the aesthetic of sunlit glass block with just a fraction of the weight, cost, and installation time of real glass.
- Panels consist of nine injection-moulded 8" x 8" blocks, factory assembled into a 2' x 2' lay-in panel for fast installation and full accessibility.
- Special DOWN® brand CENTRICITEE™ DXT suspension system is texturized to create "mortar joints."
- 8" x 8" highlighters, available in five translucent colours, change the colour of an individual block or an entire panel.

Applications

- Accent areas
- Grocery stores
- Libraries
- Retail stores



Highlighters

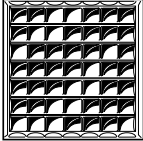
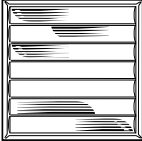
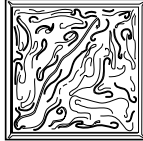
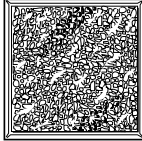


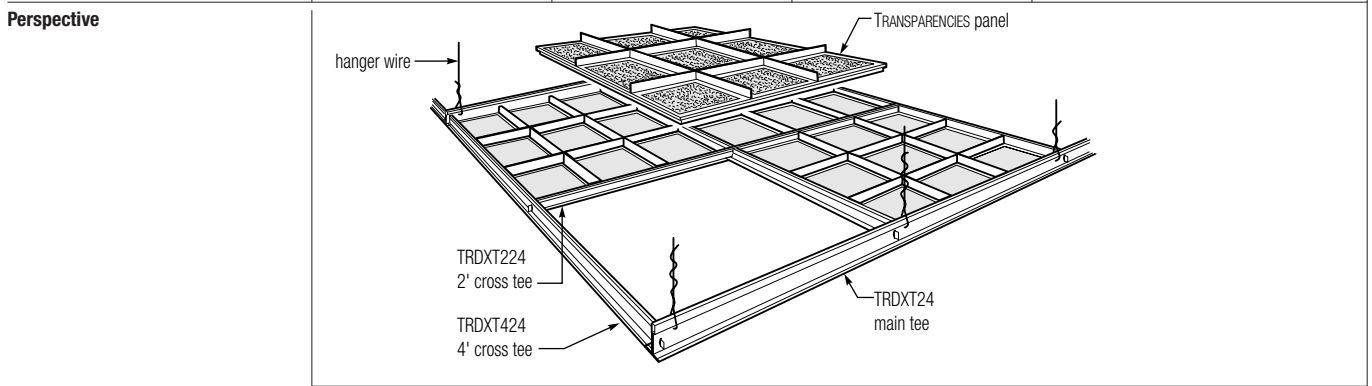
Web Sites:
www.cgcinc.com
www.usgdesignstudio.com
www.sustainableceilings.com
www.seismicceilings.com

Customer Service
 Ontario/Atlantic Canada 800-387-2690
 Quebec/Eastern Ontario 800-361-1310
 Western Canada 800-242-4418

Product Information				
Materials	Finishes	Typical Sizes	Module Size	Weight
Blocks: 100% acrylic. Grid: Steel.	Panels: Clear Highlighters: Red, Green, Yellow, Blue, and Orange—change colour of one block (8" x 8") or the entire panel (2' x 2').	2' x 2'	Full 2' x 2' modules only.	Approximately 1-1/2 lbs. per sq. ft.

Plenum Depth	Plenum depth requirements are generally a function of lamp spacing. The minimum recommended plenum depth for uniform lighting distribution is 18", measured from the bottom of the fluorescent tubes to the bottom of the grid.
Acoustics	If noise reduction is vital, adjacent ceiling, wall, and floor materials should be chosen with consideration of their acoustical properties.
Lighting	Fluorescent strip fixtures should be placed a minimum of 18" above the ceiling and 18" o.c. for best results.
Grid Layout	Each 2' x 2' TRANSPARENCIES panel consists of nine 8" simulated glass block squares spaced 9/16" apart. Center lines of main and cross runner T-bar webs are exactly on module lines.
Code Approval	Permitted for use where Class 1 finish materials are required under the provisions of Chapter 8 (1997) of the Uniform Building Code. The roll-formed grid is Class A and non-combustible. Load limits of the grid exceed those imposed by the TRANSPARENCIES system when installed in accordance with manufacturer instructions.

Patterns	Ice Cube 	Icicle 	Melting Ice 	Crushed Ice 
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Exposed Hanger Solutions
 For ceiling islands and other installations with exposed hanger wires, CGC offers stainless steel wire and rope wire with a variety of connectors for an attractive alternative to standard 12-gauge wire.

For More Information

Product literature
 Data sheet#ESP_OS59

Online tools
usgdesignstudio.com



WireWorks Open-Cell Ceiling Panels, Weave Pattern/
GridWARE GWDX Suspension System in Silver Satin

LEED Credits

MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●				

Features and Benefits

- Metal, woven lay-in panels with powder-coated finish are abuse resistant and highly durable.
- Four cell sizes offer flexibility to meet design and budget needs.
- Combine with the GridWARE™ suspension system to create custom ceiling system.
- Easy installation into standard DOWN® brand suspension systems.
- Easily accommodates lightweight signage.
- Custom colours available.

Applications

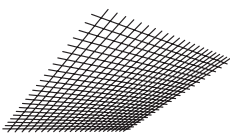
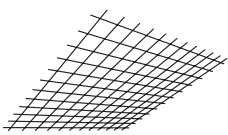
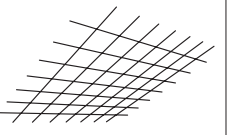
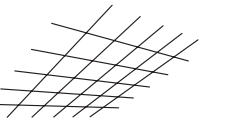
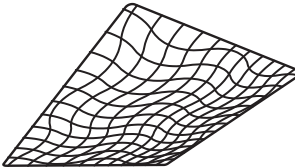

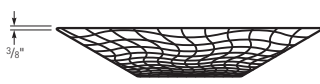
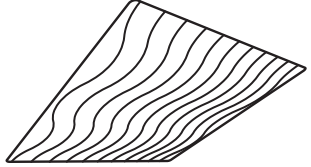
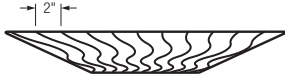

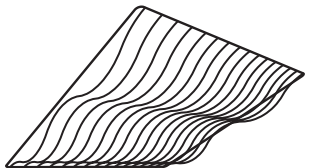
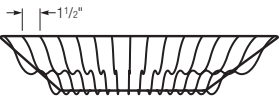

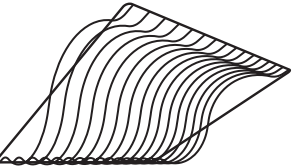
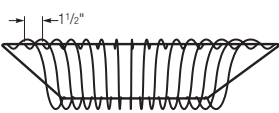

- Accent areas
- Educational
- Health care
- Retail stores



High-Gloss White



Chrome

Product Information				
Materials		Typical Sizes	Wire Thickness	
Robotically welded steel wire.		2' x 2'	Panels are 1/8"; Forms are 3/16".	
WIREWORKS Ceiling Panels 2' x 2' 1/8" Wire	1" x 1" Cells	2" x 2" Cells	3" x 3" Cells	4" x 4" Cells
				
WIREWORKS Forms 2' x 2' 3/16" Wire	Weave	Pattern 	Front Profile 	Side Profile 
	Ripple	Pattern 	Front Profile 	Side Profile 
	Small Wave	Pattern 	Front Profile 	Side Profile 
	Big Wave	Pattern 	Front Profile 	Side Profile 

For More Information

Product literature
 Data sheet#ESP_OS60
Online tools
usgdesignstudio.com

Recycled content
 Wireworks panels: 25% recycled content
Metric equivalents
 Contact Technical Service for additional information.

Footnotes
 1. Dependent on location; contact your CGC representative.

Acoustical Ceilings

Selectors

Page	
80	Textures
84	Light Reflectance
86	Standard and Advantage Colours
88	Acoustical Module Sizes
90	Performance Substrates
92	Acoustical Ratings
94	Patterns
96	Sustainability
102	System Interface
104	Perimeter Interface

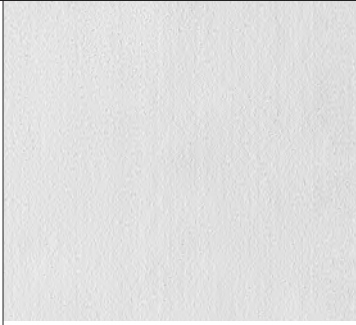
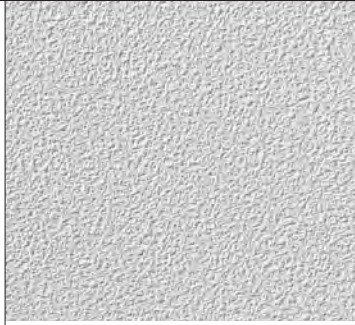
Product Information

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108	ASTRO <i>CLIMAPLUS</i>
110	BRIO <i>CLIMAPLUS</i>
112	CLEAN ROOM <i>CLIMAPLUS</i>
114	ECLIPSE <i>CLIMAPLUS</i>
116	ECLIPSE <i>CLIMAPLUS</i> Illusion and Pedestals
118	"F" FISSURED
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126	FROST <i>CLIMAPLUS</i>
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144	OLYMPIA MICRO <i>CLIMAPLUS</i>
146	PEBBLED <i>CLIMAPLUS</i>
148	PREMIER HI-LITE <i>CLIMAPLUS</i>
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152	RADAR
154	RADAR <i>CLIMAPLUS</i>
156	RADAR <i>CLIMAPLUS</i> Illusion
158	RADAR <i>CLIMAPLUS</i> High-CAC, High-NRC
160	RADAR Ceramic <i>CLIMAPLUS</i>
162	RENDITIONS Animations Face-Routed Ceiling Panels
164	RENDITIONS Boundaries Face-Routed Ceiling Panels
166	ROCK FACE <i>CLIMAPLUS</i>
168	SANDRIFT <i>CLIMAPLUS</i>
170	SHEETROCK Lay-In Ceiling Panel <i>CLIMAPLUS</i>
172	SUMMIT <i>CLIMAPLUS</i>
174	TOUCHSTONE <i>CLIMAPLUS</i>

Textures

Listed Alphabetically

Smooth




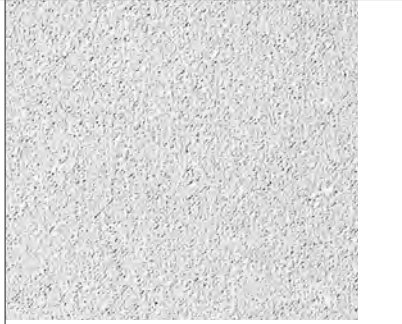

CLEAN ROOM <i>CLIMAPLUS</i> Class 100	SHEETROCK Lay-In Ceiling Panel <i>CLIMAPLUS</i>	
		
Page 112	Page 170	

Fine

ASTRO <i>CLIMAPLUS</i>	CLEAN ROOM <i>CLIMAPLUS</i> Class 10M-100M	ECLIPSE <i>CLIMAPLUS</i>
		
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FROST	FROST <i>CLIMAPLUS</i>	HALCYON <i>CLIMAPLUS</i>
		
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Listed Alphabetically

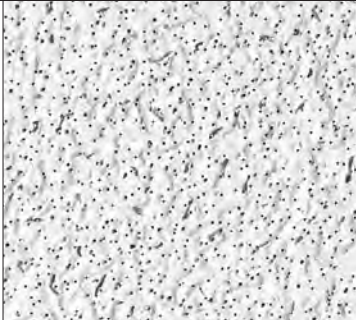

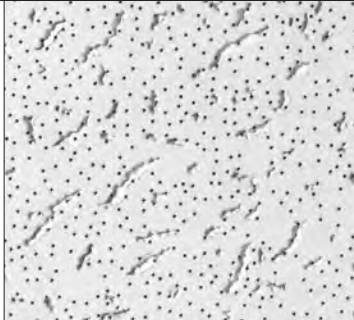
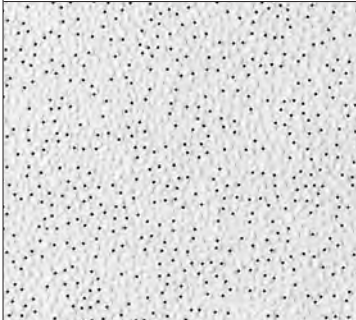

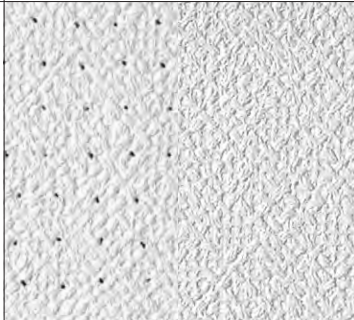
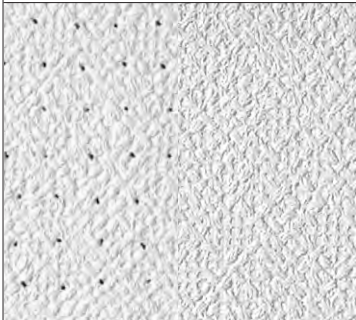
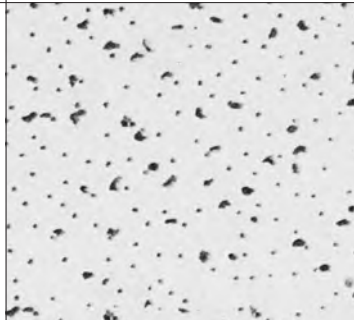
Fine

<p>MARS <i>CLIMAPLUS</i></p>	<p>MILLENNIA <i>CLIMAPLUS</i></p>	
		
<p>Pages 136–139</p>	<p>Pages 140–143</p>	
<p>OLYMPIA MICRO <i>CLIMAPLUS</i></p>	<p>PREMIER NUBBY <i>CLIMAPLUS</i></p>	<p>SUMMIT <i>CLIMAPLUS</i></p>
		
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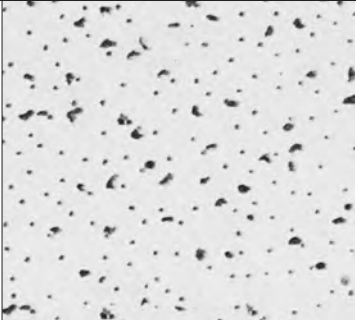
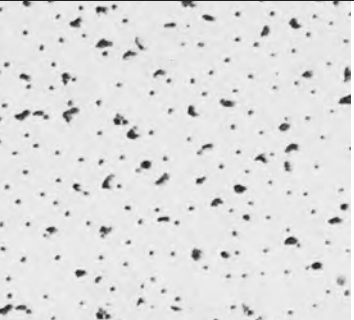
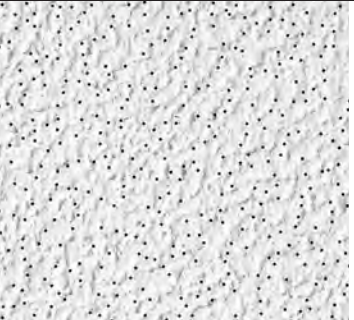

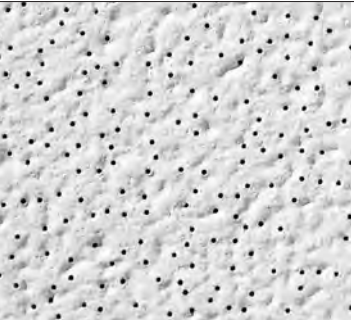
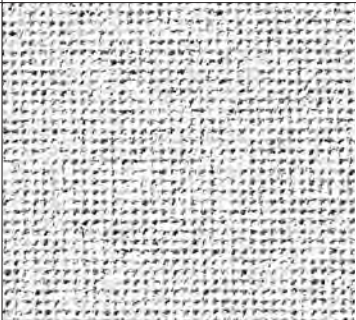


Textures

Listed Alphabetically

Medium

ASPEN	"F" FISSURED	FISSURED
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<p>PEBBLED <i>CLIMAPLUS</i></p>  <p>Page 146</p>	<p>PREMIER HI-LITE <i>CLIMAPLUS</i> Kapok</p>  <p>Page 148</p>	<p>PREMIER HI-LITE <i>CLIMAPLUS</i> Kapok Twill</p>  <p>Page 148</p>
<p>PREMIER HI-LITE <i>CLIMAPLUS</i> Stipple</p>  <p>Page 148</p>	<p>RADAR</p>  <p>Page 152</p>	

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Heavy	<p>BRIO <i>CLIMAPLUS</i></p>  <p>Page 110</p>	<p>FRESCO <i>CLIMAPLUS</i></p>  <p>Page 122</p>	<p>GLACIER</p>  <p>Page 128</p>

Light Reflectance

The Light Reflectance selector identifies CGC ceiling panels that efficiently reflect light within a space to enhance indirect lighting, reduce energy consumption and create a warm, luminous aesthetic. Measured per ASTM E1477¹, LR value represents the percentage of light reflected from the surface of a material. The industry average for panels is LR .70 to .80, and values above LR .85 are considered high. CGC offers numerous panels with LR values at these levels, including MARS *CLIMAPLUS*, RADAR Illusion and RADAR *CLIMAPLUS* Illusion with LR .89.

Choosing high-LR ceiling panels is a great way to improve the utility and comfort of the spaces you design and make your projects bright and inviting. Indirect lighting, combined with high-LR panels, can eliminate dark, shadowy areas and too-bright hot spots, improving the look and feel of a space and minimizing eyestrain (a cause of employee fatigue). High-LR ceilings can also help conserve energy and cut operating costs by achieving the same light levels with fewer fixtures and lower-wattage bulbs. Fewer fixtures also mean less repairs and lower maintenance costs.

Architects typically select high-LR ceilings for spaces that make extensive use of indirect lighting. However, these panels can enhance almost any lighting scheme and so can be an effective choice for many design applications. Many CGC panels with high LR values also feature high NRC and CAC ratings so you don't have to compromise acoustics for aesthetics. Panels are available in a range of textures including smooth and very fine, many include *CLIMAPLUS* performance, and several are cast products, which provide a higher level of durability to resist and hide scrapes and scratches.

1. Standard Test Method for Luminous Reflectance Factor of Acoustical Materials by Use of Integrating-Sphere Reflectometers.

Ceiling Panels	LR ¹	Textures	Panel Cost	Page Number
	❗			
MARS <i>CLIMAPLUS</i>	.89	Fine	\$\$	136
MARS <i>CLIMAPLUS</i> High-NRC	.89	Fine	\$\$	138
RADAR Illusion	.89	Medium	\$\$	152
RADAR <i>CLIMAPLUS</i> Illusion	.89	Medium	\$\$	156
FROST <i>CLIMAPLUS</i>	.83/.88	Fine	\$\$	126
HALCYON <i>CLIMAPLUS</i>	.88	Fine	\$\$	130
HALCYON <i>CLIMAPLUS</i> Large Sizes	.88	Fine	\$\$\$	132
HALCYON <i>CLIMAPLUS</i> Planks	.88	Fine	\$\$\$	132
ASPEN	.87	Medium	\$\$\$	106
MILLENNIA <i>CLIMAPLUS</i>	.87	Fine	\$\$	140
MILLENNIA <i>CLIMAPLUS</i> High-NRC	.87	Fine	\$\$	142
MILLENNIA <i>CLIMAPLUS</i> Illusion	.87	Fine	\$\$	140
OLYMPIA MICRO <i>CLIMAPLUS</i>	.87	Fine	\$\$	144
OLYMPIA MICRO <i>CLIMAPLUS</i> Illusion	.87	Fine	\$\$	144
PREMIER NUBBY <i>CLIMAPLUS</i>	.87	Fine	\$\$\$	150
ASTRO <i>CLIMAPLUS</i>	.86	Fine	\$\$	108
ASTRO <i>CLIMAPLUS</i> Illusion	.86	Fine	\$\$	108
ECLIPSE <i>CLIMAPLUS</i>	.86	Fine	\$\$	114
PEBBLED <i>CLIMAPLUS</i>	.86	Medium	\$	146
ROCK FACE <i>CLIMAPLUS</i>	.86	Medium	\$\$	166
TOUCHSTONE <i>CLIMAPLUS</i>	.86	Medium	\$\$	174
ASPEN Illusion	.85	Medium	\$\$	106
FROST	.85	Fine	\$\$	124
RADAR	.85	Medium	\$	152
ECLIPSE <i>CLIMAPLUS</i> Illusion	.84	Fine	\$\$	116
RADAR <i>CLIMAPLUS</i>	.84	Medium	\$	154
RADAR <i>CLIMAPLUS</i> High-CAC, High-NRC	.84	Medium	\$	158
FRESCO <i>CLIMAPLUS</i>	.83	Heavy	\$\$	122
SANDRIFT <i>CLIMAPLUS</i>	.83	Medium	\$\$	168
RADAR Ceramic <i>CLIMAPLUS</i>	.82	Medium	\$\$	160
BRIO <i>CLIMAPLUS</i>	.81	Heavy	\$\$	110
FISSURED	.81	Medium	\$	120
SUMMIT <i>CLIMAPLUS</i>	.81	Fine	\$\$\$	172

Standard and Advantage Colours

Standard colours: Available for quick delivery. Minimum panel quantities apply; one-carton minimum per component for suspension systems.

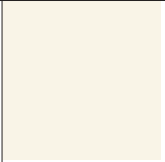
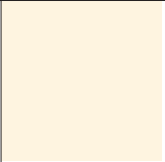
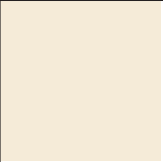
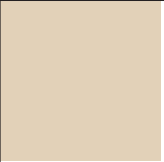
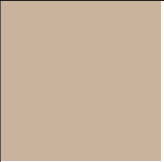
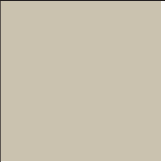
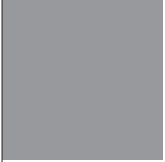

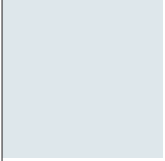
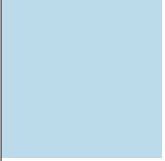
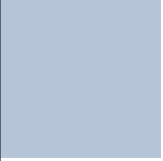

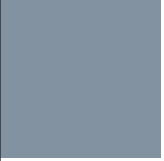

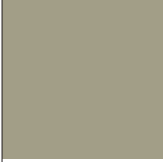
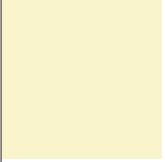
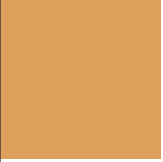

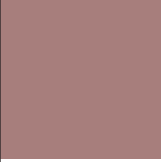
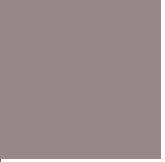
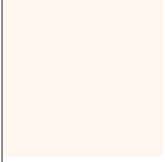
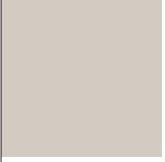
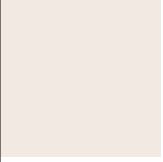
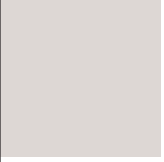


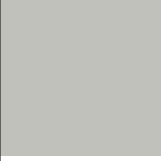

Advantage colours: Available within five weeks. Minimum panel quantities apply; one-carton minimum per component for suspension systems. Panels and suspension systems also available in custom colours. Contact your CGC sales representative for details.

Note: *CLIMAPLUS* Superior Performance for mould/mildew available only with White panels.

	Product	Item No.	Colour Options	Standard		Advantage		Sq.Ft./ Carton	Size	Edge	Page No.
				Min. Sq. Ft.	Lead Time Days	Min. Sq. Ft.	Lead Time Days				
Ceiling Panels	ECLIPSE <i>CLIMAPLUS</i>	76975	Standard colours (Flat Black and Charcoal not available)	48	10	N/A	N/A	48	2' x 2' x 3/4"	FL	114
	ECLIPSE <i>CLIMAPLUS</i>	76775	Standard colours (Flat Black and Charcoal not available)	48	10	N/A	N/A	48	2' x 2' x 3/4"	SLT	114
	FROST <i>CLIMAPLUS</i>	414	Standard and Advantage colours	32	5	2,688	25	32	2' x 2' x 3/4"	SLB	126
	FROST <i>CLIMAPLUS</i>	418	Standard and Advantage colours	2,688	25	2,688	25	32	2' x 2' x 3/4"	FL	126
	FROST <i>CLIMAPLUS</i>	419	Standard and Advantage colours	2,688	25	2,688	25	32	2' x 2' x 3/4"	FLB	126
	GLACIER	707	Standard and Advantage colours	32	5	2,688	25	32	2' x 2' x 3/4"	SL	128
	GLACIER	708	Standard and Advantage colours	2,688	25	2,688	25	32	2' x 2' x 3/4"	FL	128
	PREMIER HI-LITE <i>CLIMAPLUS</i> Kapok	7054G	Flat Black only	128	15	N/A	N/A	128	2' x 2' x 5/8"	SQ	148
	PREMIER HI-LITE <i>CLIMAPLUS</i> Kapok	7055G	Flat Black only	128	15	N/A	N/A	128	2' x 4' x 5/8"	SQ	148
	PREMIER HI-LITE <i>CLIMAPLUS</i> Kapok	7056G	Flat Black only	128	15	N/A	N/A	128	2' x 2' x 5/8"	SQ	148
	PREMIER HI-LITE <i>CLIMAPLUS</i> Kapok	7057G	Flat Black only	128	15	N/A	N/A	128	2' x 4' x 5/8"	SQ	148
	RADAR <i>CLIMAPLUS</i>	2210	Standard colours	64	10	N/A	N/A	64	2' x 2' x 5/8"	SQ	154
	RADAR <i>CLIMAPLUS</i>	2220	Standard colours (Flat Black and Charcoal not available)	64	10	N/A	N/A	64	2' x 2' x 5/8"	SLT	154
	RADAR <i>CLIMAPLUS</i>	2410	Standard colours	64	10	N/A	N/A	64	2' x 4' x 5/8"	SQ	154
	RADAR <i>CLIMAPLUS</i> FIRECODE	2415	Flat Black and Charcoal only	64	10	N/A	N/A	64	2' x 4' x 5/8"	SQ	154
	RADAR <i>CLIMAPLUS</i>	2842	Standard colours (Flat Black and Charcoal not available)	48	10	N/A	N/A	48	2' x 4' x 3/4"	SLT	156
	SANDRIFF <i>CLIMAPLUS</i> ¹	808	Standard and Advantage colours	2,688	25	2,688	25	32	2' x 2' x 3/4"	SL	168
	SANDRIFF <i>CLIMAPLUS</i> ¹	809	Standard and Advantage colours	2,688	25	2,688	25	32	2' x 2' x 3/4"	FL	168
	Suspension Systems Colour caps only	CENTRICITEE DXT	DXT24	Standard and Advantage colours					9/16"	—	190
CENTRICITEE DXT		DXT222	Standard and Advantage colours					9/16"	—	190	
CENTRICITEE DXT		DXT424	Standard and Advantage colours					9/16"	—	190	
Wall Moulding		M9 Moulding	Standard and Advantage colours					9/16"	—	190	
DX/DXL		DX/DXL24	Standard and Advantage colours					15/16"	—	192	
DX/DXL		DX/DXL216	Standard and Advantage colours					15/16"	—	192	
DX/DXL		DX/DXL424	Standard and Advantage colours					15/16"	—	192	
Wall Moulding		M7 Moulding	Standard and Advantage colours					7/8"	—	192	

1. To highlight the unique texture of SANDRIFF *CLIMAPLUS* panels, choose light colours.




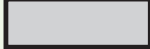
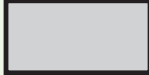
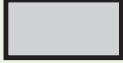
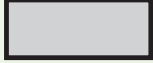

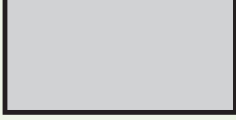


Samples shown are only a representation of colour.
 Note: CLIMAPLUS Superior Performance for mould/mildew available only with White panels.

	Parchment 103	Manila 246	Beige 142	Straw 143	Sandstone 090	Taupe 107
Standard Colours Ceiling Panels and Suspension Systems						
	Charcoal 534	Flat Black 205				
Advantage Colours Ceiling Panels and Suspension Systems						
	Silvertone 052	Breeze 2659	Blue Grey 564	Azure 2660	Slate 568	Spruce 567
						
	Tuscany 2663	Sorbet 2658	Squash 2661	Safari 2662	Redwood 566	Sienna 565
						
	Halo 206	Quartz 082	Nectar 546	Mist 053		
						
Suspension Systems Only	Silver Satin 002	Plated Brass 065	Plated Chrome 066	Bronze 774		
						



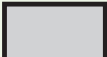

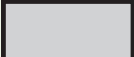
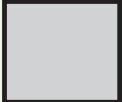

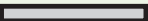
Acoustical Module Sizes

HALCYON CLIMAPLUS Planks



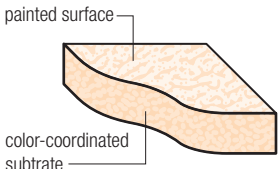
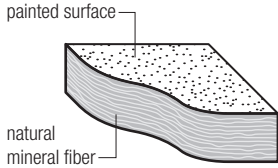
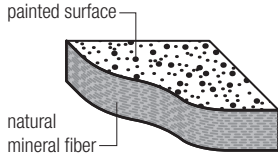
		Traditional						
		12" x 12"	2' x 2'	30" x 30"	20" x 60"	30" x 60"	2' x 4'	2' x 5'
Panel Sizes								
		"F" FISSURED, GLACIER, MILLENNIA CLIMAPLUS, RADAR, RADAR CLIMAPLUS	All patterns	HALCYON CLIMAPLUS, MARS CLIMAPLUS, MARS CLIMAPLUS High-NRC *ECLIPSE CLIMAPLUS, *PREMIER HI LITE CLIMAPLUS *PREMIER NUBBY CLIMAPLUS	HALCYON CLIMAPLUS RADAR *ASTRO CLIMAPLUS *ECLIPSE CLIMAPLUS *MARS CLIMAPLUS *OLYMPIA MICRO CLIMAPLUS PEBBLED CLIMAPLUS *PREMIER HI LITE CLIMAPLUS *PREMIER NUBBY CLIMAPLUS	HALCYON CLIMAPLUS *ECLIPSE CLIMAPLUS *OLYMPIA MICRO CLIMAPLUS PEBBLED CLIMAPLUS *PREMIER HI LITE CLIMAPLUS *PREMIER NUBBY CLIMAPLUS RADAR	Available in most patterns. See footnote for complete product list.	*OLYMPIA MICRO CLIMAPLUS PEBBLED CLIMAPLUS RADAR
<p>2' x 4' panels available in ASPEN, ASTRO CLIMAPLUS, CLEAN ROOM CLIMAPLUS, ECLIPSE CLIMAPLUS, ECLIPSE CLIMAPLUS PEDESTALS, "F" FISSURED, FISSURED, FROST, GLACIER, HALCYON CLIMAPLUS, MARS CLIMAPLUS, MARS CLIMAPLUS High-NRC, MILLENNIA CLIMAPLUS, OLYMPIA MICRO CLIMAPLUS, PEBBLED CLIMAPLUS, PREMIER HI-LITE CLIMAPLUS, PREMIER NUBBY CLIMAPLUS, RADAR, RADAR CLIMAPLUS, RADAR CLIMAPLUS ILLUSION, RADAR CLIMAPLUS HIGH CAC/NRC, RADAR CERAMIC CLIMAPLUS, ROCK FACE CLIMAPLUS, SHEETROCK Lay-In Ceiling Panel CLIMAPLUS, TOUCHSTONE CLIMAPLUS</p> <p>*May be subject to minimum quantity requirements</p>								
		Large				Planks		
		4' x 4'	4' x 8'	2' x 6'	2' x 8'			
								
		HALCYON CLIMAPLUS *PREMIER NUBBY CLIMAPLUS						

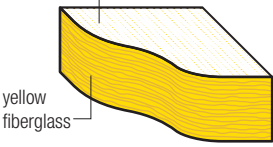
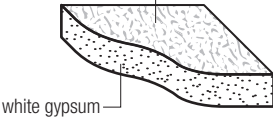
CGC acoustical ceilings are available in a range of formats, from traditional 2 ft. x 2 ft. and 2 ft. x 4 ft. panels to new large-size and planks panels, providing options for enhancing visual interest and maximizing high-NRC areas. The new LOGIX integrated ceiling system aligns services (lighting, sprinklers, speakers, etc.) along narrow bands parallel with the main tees. Also available with bands perpendicular to main tees, utilizing 6 in. HALCYON *CLIMAPLUS* or 6 in. metal PANZ utility panels.

LOGIX Field Panels						
Panel Sizes	20" x 54"	21" x 24"	24" x 42"	27" x 30"	30" x 54"	42" x 48"
						
HALCYON <i>CLIMAPLUS</i>						
LOGIX Channel Panels						
	6" x 48"	6" x 60"				
						
HALCYON <i>CLIMAPLUS</i>						

Performance Substrates

CGC is the only manufacturer with the capabilities to produce acoustical ceiling panels with five different substrate technologies to achieve the full range of functional and aesthetic needs. Available substrates include cast mineral fiber, X-Technology mineral fiber, water-felted mineral fiber, fiberglass, and gypsum panel ceilings.

Profile	Construction	Applications	Available Panels	Page No.
Cast Mineral Fiber 	Formed and baked solid in moulds to create a long-lasting, abuse-resistant surface in a range of textures.	Open-plan areas subject to frequent plenum access that require strong sound absorption (NRC) and sound blocking (CAC) performance. Enclosed areas requiring speech privacy. Ceilings requiring exceptionally durable, long-lasting panels. High-visibility areas that require colour and/or a range of texture options.	BRIO CLIMAPLUS	110
	Through-colour masks nicks and scratches.		"F" FISSURED	118
	Orients fibers for excellent sound absorption and high noise reduction coefficients (NRC).		FRESCO CLIMAPLUS	122
	Composition enhances sound blocking (CAC) and resists "breathing" (air passing through panel) so surface stays cleaner, longer.		FROST	124
X-Technology Mineral Fiber 	Surface cleans easily with a soft brush or vacuum.	Designs that require a ceiling with a smooth appearance that can be cleaned easily with a soft brush or vacuum.	FROST CLIMAPLUS	126
	Superior sag resistance and outstanding dimensional stability.		GLACIER	128
	Unique process creates a smooth surface with high noise absorption (NRC) and blocking (CAC).		SANDRIFT CLIMAPLUS	168
	Surface cleans easily with a soft brush or vacuum.		SUMMIT CLIMAPLUS	172
Water-Felted Mineral Fiber 	Surface perforations aid sound absorption.	General-use areas requiring a balance of acoustical control and economy. High ceilings subject to infrequent plenum access and out of the way of activity below.	ASTRO CLIMAPLUS	108
	Creates a variety of surface textures.		ECLIPSE CLIMAPLUS	114
	Surface cleans easily with a soft brush or vacuum.		MARS CLIMAPLUS	136
	Lowest initial cost.		MARS CLIMAPLUS High-NRC	138
	CLEAN ROOM panels have a vinyl face and back and sealed edges to meet federal standards for cleanrooms.		MILLENNIA CLIMAPLUS	140
			ASPEN	106
			CLEAN ROOM CLIMAPLUS Class 100	112
			CLEAN ROOM CLIMAPLUS Class 10M-100M	112
			FISSURED	120
			OLYMPIA MICRO CLIMAPLUS	144
	PEBBLED CLIMAPLUS	146		
	RADAR	152		
	RADAR CLIMAPLUS	154		
	RADAR Ceramic CLIMAPLUS	160		
	ROCK FACE CLIMAPLUS	166		
	TOUCHSTONE CLIMAPLUS	174		

Profile	Construction	Applications	Available Panels	Page No.
Fiberglass vinyl, fabric or cloth scrim  yellow fiberglass	Vinyl- and fabric-surfaced fiberglass offers superior sound absorption (NRC).	Open-plan areas where sound absorption is the highest performance criterion.	HALCYON CLIMAPLUS	130
	Light weight.	Ceilings that require a very lightweight panel.	HALCYON CLIMAPLUS Planks and Large Sizes	132
	Washable surface.*	Installations that may benefit from a washable vinyl surface.	PREMIER HI-LITE CLIMAPLUS	148
			PREMIER NUBBY CLIMAPLUS	150
Gypsum Panel white vinyl surface  white gypsum	Face-laminated gypsum panels provide dimensional stability and sound blocking (CAC).	Regulated environments such as cleanrooms and kitchens/food preparation areas, which require highly cleanable surfaces that resist absorption of chemicals and odors.	SHEETROCK CLEAN ROOM CLIMAPLUS Lay-In Panel	170
	SHEETROCK CLEAN ROOM panels have a vinyl face and back and sealed edges to meet USDA/FSIS requirements for food processing areas.	Demanding applications subject to moisture exposure, temperature swings and exposure to dirt and grime, such as exterior soffits, marine environments, parking garages and locker rooms.	SHEETROCK Vinyl CLIMAPLUS Lay-In Panel	170

* PREMIER NUBBY CLIMAPLUS surface not washable.

Acoustical Ratings



The Acoustical Ratings selector identifies CGC ceiling panels that offer enhanced sound control properties. By absorbing sound and reducing sound transmission better than standard panels, these products can significantly improve acoustical comfort, privacy and productivity. Here's a closer look at what to consider when selecting a high-performance acoustical ceiling for your project.

High-NRC Panels Absorb More Sound

The Noise Reduction Coefficient (NRC) of a panel measures how effectively it absorbs sound. High-NRC ceiling panels are most effective in open areas because they can reduce reverberation within the space. NRC is represented by a number between 0 and 1.00, which is a general indication of the percentage of sound reaching it that will be absorbed. For example, an acoustical ceiling panel with an NRC value of .60 will absorb approximately 60% of the sound that strikes it and deflect 40% back into the space. NRC of .50 or higher offers significant sound absorption, and CGC panels designed for increased acoustical performance feature NRC ratings of .70 or above. Our HALCYON *CLIMAPLUS* ceiling panel offers an NRC of 1.00, the highest rating.

High-CAC Panels Reduce Sound Transmission

Ceiling Attenuation Class (CAC) indicates the ability to reduce sound transmission. High-CAC panels can improve privacy in enclosed spaces by blocking sound from transmitting up into the plenum and down to adjacent rooms. A ceiling panel with a CAC of 40 generally reduces transmitted sound by 40 decibels (dB); CAC of 35 or higher offers significant sound attenuation.

Beyond Good Design

High acoustical performance is critical for clients that must comply with federal privacy rules. For example, the Health Insurance Portability and Accountability Act (HIPAA) requires that all physician offices, pharmacies and other healthcare facilities in the U.S. protect personal health information. This includes consultation areas, where doctor-patient conversations could be overheard.

The Financial Services Modernization Act of 1999, also known as the Gramm-Leach-Bliley Act (GLBA), requires that banks, investment companies and other financial institutions protect customer financial information from being inadvertently disclosed.

1. Performance values do not include 12" x 12" or Pedestals products.
2. CAC is 40 when installed in FINELINE DXF or FINELINE 1/8 DXFF suspension system.

Sound Rating					
Ceiling Panels'	NRC	CAC Min.	Texture	Panel Cost	Page Number
					
High NRC & CAC Combinations					
MARS <i>CLIMAPLUS</i> High-NRC	.80	35	Fine	\$\$	138
BRIO <i>CLIMAPLUS</i>	.70	35	Heavy	\$\$	110
ECLIPSE <i>CLIMAPLUS</i>	.70	35	Fine	\$\$	114
ECLIPSE <i>CLIMAPLUS</i> Illusion	.70	35	Fine	\$\$	116
"F" FISSURED	.70	35	Medium	\$\$	118
Fresco <i>CLIMAPLUS</i>	.70	35	Heavy	\$\$	122
FROST <i>CLIMAPLUS</i>	.70	35-40 ²	Fine	\$\$	126
MARS <i>CLIMAPLUS</i>	.70	35	Fine	\$\$	136
MILLENNIA <i>CLIMAPLUS</i>	.70	35	Fine	\$\$	140
MILLENNIA <i>CLIMAPLUS</i> Illusion	.70	35	Fine	\$\$	140
RADAR <i>CLIMAPLUS</i> High-NRC	.70	35	Medium	\$	158
SANDRIFT <i>CLIMAPLUS</i>	.70	38	Medium	\$\$	168
SUMMIT <i>CLIMAPLUS</i>	.70	38/40 ²	Fine	\$\$\$	172
FROST	.70	35-40	Fine	\$\$	124
GLACIER	.65	35	Heavy	\$\$	128
High NRC					
HALCYON <i>CLIMAPLUS</i>	.90-1.00	20-30	Fine	\$\$	130
HALCYON <i>CLIMAPLUS</i> Large Sizes	.95	20	Fine	\$\$\$	132
HALCYON <i>CLIMAPLUS</i> Planks	.90/.95	20	Fine	\$\$\$	132
PREMIER NUBBY <i>CLIMAPLUS</i> (Foil-Back)	.85/.90	20/25	Fine	\$\$\$	150
MARS <i>CLIMAPLUS</i> High-NRC	.80	35	Fine	\$\$	138
MILLENNIA <i>CLIMAPLUS</i> High-NRC	.75	30	Fine	\$\$	142
PREMIER HI-LITE <i>CLIMAPLUS</i> Perforated	.75	20	Medium	\$	148
SUMMIT <i>CLIMAPLUS</i>	.70	38/40 ²	Fine	\$\$\$	172
SANDRIFT <i>CLIMAPLUS</i>	.70	38	Medium	\$\$	168
BRIO <i>CLIMAPLUS</i>	.70	35	Heavy	\$\$	110
ECLIPSE <i>CLIMAPLUS</i>	.70	35	Fine	\$\$	114
ECLIPSE <i>CLIMAPLUS</i> Illusion	.70	35	Fine	\$\$	116
"F" FISSURED	.70	35	Medium	\$\$	118
Fresco <i>CLIMAPLUS</i>	.70	35	Heavy	\$\$	122
FROST <i>CLIMAPLUS</i>	.70	35-40 ²	Fine	\$\$	126
MARS <i>CLIMAPLUS</i>	.70	35	Smooth	\$\$	136
MILLENNIA <i>CLIMAPLUS</i>	.70	35	Fine	\$\$	140
MILLENNIA <i>CLIMAPLUS</i> Illusion	.70	35	Fine	\$\$	140
RADAR <i>CLIMAPLUS</i> High-NRC	.70	35	Medium	\$	158
FROST	.70	35-40	Fine	\$\$	124
GLACIER	.65	35	Heavy	\$\$	128
High CAC					
RADAR <i>CLIMAPLUS</i> High-CAC	.55	40	Medium	\$	158
RADAR Ceramic <i>CLIMAPLUS</i>	.50	40	Medium	\$\$	160
SHEETROCK Brand Lay-In Ceiling Panel <i>CLIMAPLUS</i>	—	35/40	Smooth	\$	170

Patterns

Many CGC ceiling panels are available with a choice of attractive face patterns, providing easy opportunities to enhance visual interest, adjust dimensional scale or add thematic cues.

Frost Renditions Boundaries I, CENTRICITEE DXT suspension system



Illusion Face Scoring

Create the appearance of a smaller-scaled ceiling system without compromising accessibility or increasing the complexity of the installation. Options include:

Illusion Two/24	Illusion Four/48	Illusion Eight/12	Illusion Thirty-Two/6
2' x 4' panels with the look of 2' x 2' panels.	2' x 4' panels with the look of 6" x 4' panels.	2' x 4' panels with the look of 12" x 12" panels.	2' x 4' panels with the look of 6" x 6" panels.

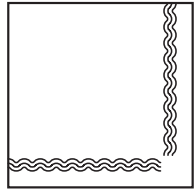
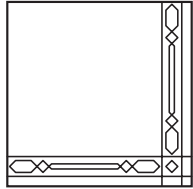
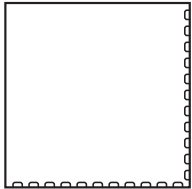
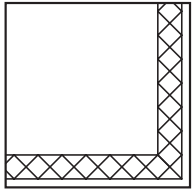
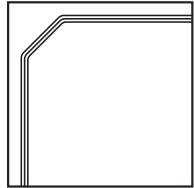
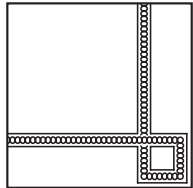
RENDITIONS Face-Routed Ceiling Panels

Combine the fine texture of 2' x 2' ECLIPSE, FROST or MILLENNIA panels with computer-generated face-routed designs to add detail, highlight a theme or differentiate areas within the space. RENDITIONS panels are available in two standard series: Animations and Boundaries. In addition, virtually any custom design, including company logos or trademarks, can be produced.

	Aquarium 5-Panel Series	Barefootin' 12-Panel Series	Blocks 13-Panel Series	Fast Food 5-Panel Series	Flying Things 13-Panel Series
Animations Whimsical patterns designed for childcare facilities, educational environments, children's healthcare facilities and other themed environments.					
See IC500 for all panels in each series.	Leaves 13-Panel Series 	Night Sky 8-Panel Series 	Paws 29-Panel Series 	Railway 26-Panel Series 	Stuffed Animals 4-Panel Series

To order custom perforation patterns, contact your local CGC sales representative.

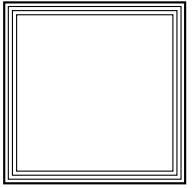
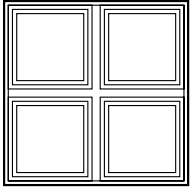
1. Panels with face routing do not carry the CGC CLIMAPLUS non-sag warranty. Refer to standard commercial ceilings warranty.

Boundaries	Choose from simple and ornate border patterns to define space and add visual interest. Designs may cross grid lines to enhance wayfinding. Boundaries patterns may be especially suited to educational facilities, healthcare environments and retail spaces.	Curly	Deco	Dentil	Diagonal
					
		Renditions I	Tara		
					

Guidelines

FROST panels with RENDITIONS face routing are available in Standard colours, Advantage colours and custom colours. ECLIPSE and MILLENNIA panels are available in White only. Panels with face routing do not carry the CGC CLIMAPLUS non-sag warranty. Refer to standard commercial ceilings warranty. For more information about RENDITIONS face routing, see pages 162-165.

Custom RENDITIONS designs can be made from sketches or AutoCAD® drawings, and your designs may cross grid lines for the ultimate in flexibility. Numbered ceiling panels match shop drawings to ensure easy installation.

Pedestals Triple-Step Scoring	Available with select 2'x2' panels, Pedestals triple-step scoring adds detail and depth to the ceiling plane, providing an easy way to enhance the interest of your design. Pedestals IV panels are scored in 12" x 12" modules to further refine the ceiling with the look of a smaller-scaled system.	Pedestals I	Pedestals IV	
				

Ceiling Panels	Illusion Face Scoring				Pedestals Scoring		RENDITIONS Face Routing
	Two/24	Four/48	Eight/12	Thirty-Two/6	I	IV	
ASPEN	•						
ASTRO CLIMAPLUS	•						
ECLIPSE CLIMAPLUS ¹	•				•	•	•
FROST					•		•
MILLENNIA CLIMAPLUS ¹	•						•
OLYMPIA MICRO CLIMAPLUS	•						
RADAR Illusion	•						
RADAR CLIMAPLUS Illusion	•	•	•	•			



Today's building industry focuses on conservation, recycling and long-term performance in a comprehensive strategy known as sustainable design. This practice involves the careful selection of building materials, construction methods and design details to create structures that consume fewer natural resources to build, maintain and remain viable in the future. CGC ceiling products are designed to enhance the sustainability of your design by providing:

Recycled and Renewable Ingredients

Many CGC acoustical ceiling panels contain mineral wool derived from slag, a byproduct of steelmaking, reducing the need to mine and process raw materials and minimizing landfill waste. Many panels also contain recycled paper. Binders are derived from corn and wheat starch, which are renewable agricultural resources. The metal in many of our specialty ceiling and drywall suspension systems includes recycled content. Aluminum offers additional benefits in that it can be fully re-purposed by re-melting and salvaging the metal.

Support for Healthy Environments

Assuring a high level of indoor environmental quality (IEQ) is a key to sustainability because spaces that deliver comfort and functionality are likely to meet occupant needs long into the future without requiring extensive upgrades or renovations. To increase long-term practicality, architects must choose materials that not only perform well and look good but also support a healthy environment. Many CGC ceiling panels help to support healthy environments with:

Reduced volatile organic compound (VOC) emissions.

VOCs include thousands of synthetic and natural chemicals emitted by a wide array of products, building materials, and microorganisms. One common VOC is formaldehyde, a colourless and pungent gas. VOCs can cause numerous health effects in sensitive individuals, including eye, nose and throat irritation, headaches, skin reactions, fatigue, dizziness, loss of coordination and nausea.

To help building professionals create healthy spaces, CGC offers many ceiling panels and tiles that emit no formaldehyde or such low levels as to exceed stringent standards established by the Collaborative for High-Performance Schools (CHPS). This high performance comes standard on these products, with no additional charge or lead time.

Choosing zero-emitting and low-emitting ceiling products can also help earn LEED credits. Section 3.2, IAQ Management Plan, Before Occupancy, requires a total formaldehyde concentration of 50 ppb or less. As one of the largest surfaces in a space, a ceiling with zero- or low-emitting panels makes a strong contribution toward achieving valuable credits – and creating healthy, sustainable environments.

FROST *CLIMAPLUS* Ceiling Panels, FINELINE DXF Suspension System



Inhibition of mould and mildew.

Because mould spores are everywhere and they can grow on virtually any surface where moisture is present, preventing mould begins with moisture control through best building practices. Adding the right protection in the right places is the second critical aspect of the mould-control equation. CGC helps architects and specifiers address the issue of mould and microbial growth by offering ceiling panels¹ with *CLIMAPLUS* Superior Performance, which provides guaranteed resistance against mould and mildew growth, subject to use under normal conditions.

Face and back surfaces of these ceiling panels feature a patented antimicrobial treatment that provides broad-spectrum control for mould, mildew and fungi over the warranty period. Controlled laboratory tests in accordance with ASTM D3273² and evaluated per ASTM D3274³ have demonstrated the effectiveness of CGC panels with *CLIMAPLUS* Superior Performance compared to standard, untreated ceilings.

In addition, several CGC ceiling panels are formulated to inherently resist the growth of mould and mildew.

These products include:

- HALCYON *CLIMAPLUS*
- HALCYON *CLIMAPLUS* Planks/Large Format
- PREMIER HI-LITE *CLIMAPLUS*
- PREMIER NUBBY *CLIMAPLUS*
- RADAR Ceramic *CLIMAPLUS*

1. White panels only.

2. Standard Test Method for Resistance to Mould on the Surface of Interior Coatings in an Environmental Chamber. Note that this ASTM lab test is not intended to predict long term mould resistance and may not accurately represent the mould performance of building materials in actual use. Given unsuitable project conditions during storage, installation or after completion, any building material can be overwhelmed by mould. To manage the growth of mould, the best and most cost-effective strategy is to protect building products from water exposure during storage and installation and after completion of the building. This can be accomplished by using good design and construction practices. For details, see *Testing for Mould Resistance (WB2420)*.

3. Standard Test Method for Evaluating Degree of Surface Disfigurement of Paint Films by Microbial (Fungal or Algal) Growth or Soil and Dirt Accumulation.

Sustainability

USGBC/CAGBC LEED Credit Category

Substrate	Product Name	EQ4		EQ8			MR 4.1 and 4.2				MR 5.1 and 5.2
		VOC Emissions ¹	Anti-Mould & Mildew	LR	NRC	CAC	Recycled Content ² Class A		FIRECODE		
							Post-Ind.	Post-Cons.	Post-Ind.	Post-Cons.	
Cast Mineral Fiber	BRIO CLIMAPLUS	Zero		.81	.70	35	71%	0%	—	—	Manufactured at Walworth, WI 53184 Ingredients: slag wool, plaster of paris, starch, clay
	"F" FISSURED	Zero	—	.79	.70	35	71%	0%	—	—	
	FRESCO CLIMAPLUS	Zero		.83	.70	35	71%	0%	—	—	
	FROST	Zero	—	.85	.70	35-40	71%	0%	70%	0%	
	FROST CLIMAPLUS	Zero		.83	.70	35-40	71%	0%	70%	0%	
	GLACIER	Zero	—	.70	.65	35	71%	0%	70%	0%	
	SANDRIFT CLIMAPLUS	Zero		.83	.70	38	71%	0%	70%	0%	
	SUMMIT CLIMAPLUS	Zero		.81	.70	38/40	63%	0%	—	0%	
X-Technology-Mineral Fiber	ASTRO CLIMAPLUS	Low		.86	.50/.55	35	65%	0%	69%	0%	Manufactured at Cloquet, MN 55720 Ingredients: slag wool, perlite, cellulose, starch, clay
	ECLIPSE CLIMAPLUS	Low		.86	.65/.70	35	77%	0%	62%	0%	
	Mars CLIMAPLUS	Low		.89	.70/.80	35	76/77%	0%	—	—	
	Millennia CLIMAPLUS	Low		.87	.70/.75	30/35	75%	0%	—	—	

1. VOC Emissions Classification, as tested per California Special Environmental Requirements, Specifications Section 01350. "Zero" – classified as zero-emitting: Formaldehyde concentration levels do not exceed 2 µg/m³ (1.6 ppb), the background level specified for this test protocol. "Low" – classified as low-emitting: Formaldehyde concentration levels do not exceed the 13.5 ppb limit required by this test protocol and the Collaborative For High Performance Schools (CHPS).
2. Federal Trade Commission guidelines define recycled content as material recovered or diverted from the solid-waste stream, either during the manufacturing process (pre-consumer) or after consumer use (post-consumer).
3. RADAR Ceramic CLIMAPLUS panels are totally inorganic and therefore inherently resistant to the growth of mould, mildew and bacteria.

CLIMAPLUS Superior Performance:
Contains a broad-spectrum antimicrobial treatment on the face and back of the panel that provides guaranteed resistance against the growth of mould/mildew, fungi, yeast, algae, and Gram-positive and Gram-negative odor/stain-causing bacteria.

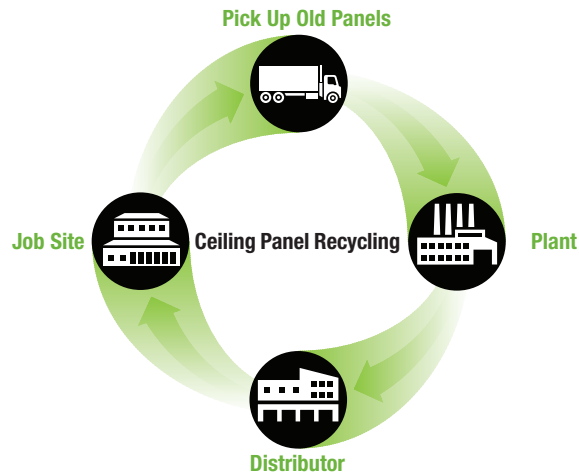
CLIMAPLUS Inherent Performance:
Substrate is inherently resistant to the growth of mould, mildew and bacteria.

Substrate	Product Name	EQ4		EQ8			MR 4.1 and 4.2				MR 5.1 and 5.2 Manufacturing Information
		VOC Emissions ¹	Anti-Mould & Mildew	LR	NRC	CAC	Recycled Content ² Class A		FIRECODE		
							Post-Ind.	Post-Cons.	Post-Ind.	Post-Cons.	
Water-Felted Mineral Fiber	CLEAN ROOM <i>CLIMAPLUS</i>	Low	—	.79	—/.55	35	—	—	45%	6%	Manufactured at Cloquet, MN 55720
	FISSURED	Low	—	.81	.55	33/35	7%	18%	44%	6%	Ingredients: slag wool, perlite, cellulose, starch, clay
	RADAR	Low	—	.85	.55/.60	33/35	7%	18%	44%	6%	
	RADAR <i>CLIMAPLUS</i>	Low		.84	.55	33/35	31%	13%	44%	6%	
	RADAR <i>CLIMAPLUS</i> High-CAC	Low		.84	.55	40	—	—	57%	1%	
	RADAR <i>CLIMAPLUS</i> High-NRC	Low		.84	.70	35	—	—	57%	1%	
	RADAR Ceramic <i>CLIMAPLUS</i>	Low		.82	.50	40	—	—	45%	0%	
	ASPEN	Low	—	.87	.50/.55	35/40	13%	16%	—	—	Ingredients: slag wool, perlite, cellulose, starch, clay
	FISSURED	Low	—	.81	.55	33/35	8%	17%	43%	6%	
	OLYMPIA MICRO <i>CLIMAPLUS</i>	Low		.87	.50	30/35	39%	13%	—	—	
	PEBBLED <i>CLIMAPLUS</i>	Low		.86	.55	35	17%	17%	—	—	
	RADAR	Low	—	.85	.55/.60	33/35	8%	17%	43%	6%	
	RADAR <i>CLIMAPLUS</i>	Low		.84	.55	33/35	13%	16%	43%	6%	
	ROCK FACE <i>CLIMAPLUS</i>	Low		.86	.55	35	—	—	43%	6%	Manufactured at Greenville, MS 38701
	TOUCHSTONE <i>CLIMAPLUS</i>	Low		.86	.55	35	—	—	43%	6%	
HALCYON <i>CLIMAPLUS</i>	—		.88	.90-1.00	20-30	1%	39-41%	—	—	Ingredients: glass fiber	
PREMIER HI-LITE <i>CLIMAPLUS</i>	—		.86	.60/.75	20	23%	8%	—	—		
PREMIER NUBBY <i>CLIMAPLUS</i>	—		.87	.85/.90	25	—	29/32%	—	—		

For complete sustainability tables visit www.usgdesignstudio.com

Sustainability

Complete the Cycle



Acoustical Ceilings Recycling Program

CGC has manufactured wallboard with recaptured gypsum for more than 30 years. And, we're one of the nation's top users of recycled paper. Now CGC can help meet the needs of a growing world and preserve natural resources by taking back approved ceiling panels from any manufacturer and recycling them into new building products. Recycling is:

The right thing. Recycling reduces waste and relieves pressure on overburdened landfills. Incorporating renovation waste into new building products can also slow the rate at which raw materials are extracted from the land.

Efficient. In the time required to haul small loads of old panels to the waste container, workers can palletize panels as they are removed.

Cost-effective. Panels can be palletized about as quickly as they are hauled and loaded into waste containers. And, you'll reduce container and landfill fees.

How it Works

We've designed this program to be fast, easy and cost-effective. Just follow these simple steps:

1. Verify that the panels are recyclable

We can accept mineral-fiber ceiling products for recycling. Material must be clean, dry and approved by CGC. No wood, metal or construction debris of any kind is permitted. Panels must not have come into contact with any hazardous material that requires special handling or disposal.

2. Stack the panels

Instead of hauling and loading old panels into a waste container, stack them neatly on shipping pallets. When a pallet is full, simply wrap it with plastic and set aside for pickup by a local CGC distributor.

3. Contact CGC for pickup

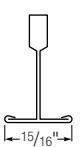
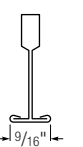
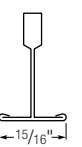
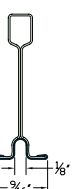
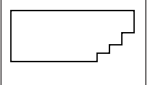
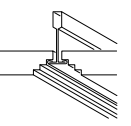
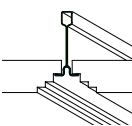
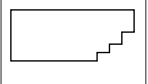
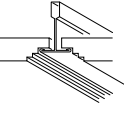
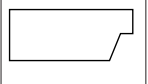
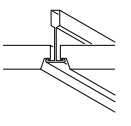
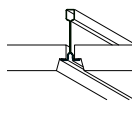

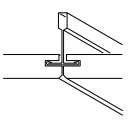
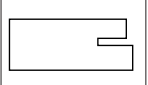
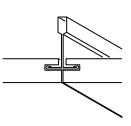
We'll arrange and pay to haul away the old panels. Just be sure to have a full truckload (30,000 square feet), and call your local CGC representative at least five days before pickup is required. If you cannot fill a truck, additional options are available. Our goal is to prevent recyclable materials from being discarded into landfills.

Recycling can also qualify your project for LEED points. To find out more, contact your local CGC representative.

System Interface

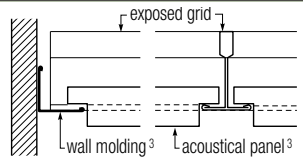
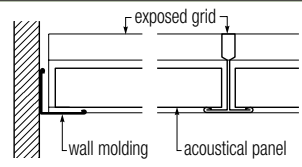
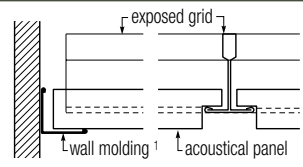
CGC offers numerous suspension system and edge detail options to help meet your design requirements. Select a suspension system and match it with a corresponding panel edge detail, or vice versa, to assure proper system fit and assembly.

Suspension System	DX/ DXL/ AX/ZXLA	CENTRICITEE DXT	FINELINE DXF	FINELINE 1/8 DXFF	DXM	DXW	CE
Edge Detail							
Square Edge (SQ)							
Shadowline Tapered (SLT)							
Shadowline (SL)							
Shadowline Bevel (SLB)							
Fineline (FL)							
Fineline Bevel (FLB)							

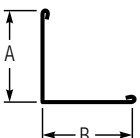
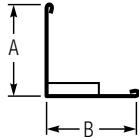
Suspension System	DX/DXL	CENTRICITEE DXT	DX/DXL Concealed	DXM	Notes
Edge Detail					
Pedestals (PE/ILT)					<p>AX, and ZXLA suspension systems have the same profile as DX/DXL and can utilize the same edge details.</p> <p>DXL, ZXLA, DXLF, and DXLT fire-rated suspension systems and FIRECODE Formulation panels may have restrictions on size and application; refer to appropriate UL Design for acceptable components.</p>
Pedestals (PE/SLT)					<p>ILT edge is applicable only to Illusion and Pedestals face cut products.</p> <p>Square edge panels are not recommended with 2' x 4' modules using 9/16" grid. Refer to product pages for compatible grid options.</p>
Interline Tapered (ILT)					
BESK					
SESK					

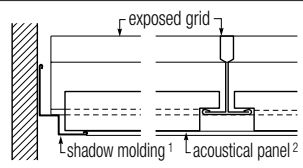
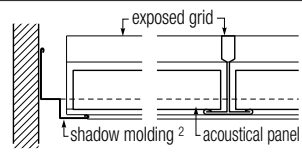
Perimeter Interface

CGC offers numerous perimeter options designed to accommodate all DOWN suspension systems with CGC acoustical ceiling panels. Use this selector as a guide to ensure that a perimeter moulding meets your design criteria. For fire-rated applications, check the UL design for approved moulding shapes and sizes.

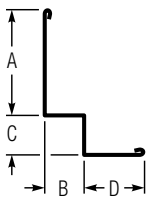
	Shadowline edge at perimeter with Shadowline panel	Square edge at perimeter with Square edge panel	Square edge at perimeter with Shadowline panel
Wall Moulding and M12CE			

Typical Sizes	A	B
	M7, M7Z, M7A	7/8"
M9	15/16"	9/16"
M12	1-1/2"	1"
MC11A	1"	1"
M7CE	7/8"	7/8"
M20, M20HD, M20SM	1"	2"

	Shadowline edge at perimeter with Shadowline panel	Shadowline edge at perimeter with Square edge panel
Shadow Moulding		

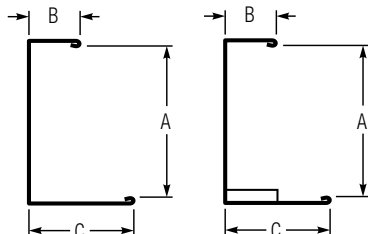
Typical Sizes	A	B	C	D
	MS31	3/4"	3/4"	1/2"
MS124	15/16"	1/4"	5/16"	15/16"
MS134	9/16"	1/4"	5/16"	3/4"
MS144	3/4"	3/8"	1/2"	3/4"
MS154	7/8"	3/4"	3/4"	7/8"
MS164	3/4"	3/4"	3/4"	3/4"
MS174	1"	3/8"	3/8"	9/16"
MS274	7/8"	3/4"	9/32"	1-1/4"



1. Shadowline tapered panel will result in mouse hole at moulding.
2. Reveal depth will vary by product.
3. Detail requires field cut and reveal of perimeter panels.
4. US25 typical for concealed grid and tile.

	Square edge at perimeter of concealed grid and panel	Square edge at perimeter of square edge panel
US Channel Moulding and US28CE		

Typical Sizes	A	B	C
US8	1/2"	1/2"	1"
US10	5/8"	1/2"	1"
US12	3/4"	1/2"	1"
US16	1"	1/2"	1"
US19	1-3/16"	1/2"	1"
US20	1-1/4"	1/2"	1"
US22	1-3/8"	1/2"	1"
US25	1-9/16"	1/2"	1"
US28CE	1-11/16"	1/2"	1"
US31	1-15/16"	1/2"	1"



Vertical-to-horizontal transition detail for suspension system

MF Moulding

Typical Sizes	<table border="1"> <thead> <tr> <th></th> <th>A</th> </tr> </thead> <tbody> <tr> <td>MF8</td> <td>1/2"</td> </tr> <tr> <td>MF10</td> <td>5/8"</td> </tr> </tbody> </table>		A	MF8	1/2"	MF10	5/8"
	A						
MF8	1/2"						
MF10	5/8"						



ASPEN Panels/
DOWN DX/DXL Suspension System

LEED Credits

Recycled Content: 29%

MR				EQ		
Waste Reduction ¹	Recycled Content	Regional Materials ²	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●	●	●	●	●

Features and Benefits

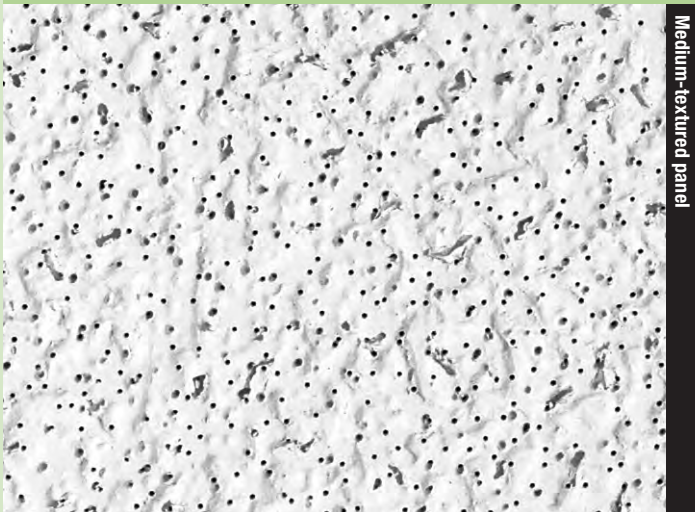
- Random, naturally sculptured appearance offers upscale look without upscale cost.
- Sizes and formulations meet most design criteria. Suitable for general applications.

Applications

- Schools
- General offices
- Retail stores

Substrate













- Water-felted mineral fiber



Medium-textured panel



White

UL Classified												
Edge	Panel Size	Class	Item No.	NRC	CAC Min.	LR ³	Colour	Grid Options	VOC Emissions	Recycled Content ⁴	Panel Cost	
												
ASPEN Panels	SLT 	2' x2' x3/4"	Class A	650	.55	35	.87	White	A	Low	29%	\$\$
		2' x4' x3/4"	Class A	651	.55	35	.87	White	A	Low	29%	\$\$
ASPEN Illusion Two/24 Panels The look of 2'x2' panels	SLT ⁵ 	2' x4' x3/4"	Class A	652	.50	40	.84	White	A	Low	29%	\$\$
Illusion Two/24												
Face-Cut Patterns												
Legend												
 Low Emissions (VOC Class) Classified as low-emitting per standards established by the Collaborative for High-Performance Schools (CHPS), following California Specification 01350 testing methods.												
A DX®/DXL™												
Grid Profile Options												

**Physical Data/
Footnotes**

Product literature
 Data sheet#EAC-A344

ASTM E1264 classification
 ASPEN: Type III, Form 2, Pattern CDFI
 ASPEN Illusion: Type III, Form 2, Pattern CDFIK

ASTM E84 surface burning characteristics
 Class A
 Flame spread: 25
 Smoke developed: 50

Weight
 1.43 lb./sq. ft. (Class A)
 1.67 lb./sq. ft. (Illusion)

Thermal resistance
 R-1.7 (3/4" panels)

Maximum backloading
 See Warranty for details.

Maintenance
 Can be cleaned easily with a soft brush or vacuum.

Recommended suspensions
 See the Grid and Edge selector.

Footnotes
 1. Applies when CGC acoustical ceilings recycling program is utilized.
 2. Dependent on location; see Sustainability selector.
 3. LR values are shown as averages.
 4. For details, see Sustainability selector.
 5. Panels have a 15/16" routing.



ASTRO Panels with *CLIMAPLUS* Superior Performance/
DONN CENTRICITEE DXT Suspension System

LEED Credits

Recycled Content: 65% – 69%
CLIMAPLUS Superior Performance for Mould/Mildew

MR				EQ		
Waste Reduction ¹	Recycled Content	Regional Materials ²	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●	●	●	●	●

Features and Benefits

- Fine-textured, non-perforated, and non-fissured appearance offers highly desired aesthetic.
- *CLIMAPLUS* 30-year lifetime system warranty to withstand conditions up to 104 °F (40 °C)/95% relative humidity without visible sag when used with a DONN® brand suspension system.
- Optional FIRECODE™ formulation designed to meet life safety codes.

Applications

- Schools
- Hospitals
- Healthcare facilities
- General offices
- Municipal buildings

Substrate

- X-Technology mineral fiber

Fine-textured panel






















White

30

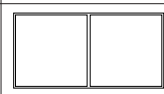
Year System Warranty
 - No visible sag
 - Mould/mildew protection

ASTRO CLIMAPLUS Panels

UL Classified													
Edge	Panel Size	Class ³	Item No.	NRC	CAC Min.	LR ⁴	Colour	Grid Options	VOC Emissions	Anti-Mould & Mildew	Recycled Content ⁵	Panel Cost	
SQ 	2' x2' x5/8"	Class A	8221	.55	35	.86	White	A, B, C, L	Low		65%	\$\$	
	2' x2' x3/4"		8122	.50	35	.86	White	A, D	Low		69%	\$\$	
	2' x4' x5/8"	Class A	8241	.55	35	.86	White	A, B	Low		65%	\$\$	
	SLT 	2' x2' x5/8"	Class A	8223	.55	35	.86	White	E	Low		65%	\$\$
		2' x2' x3/4"		8322	.50	35	.86	White	E	Low		69%	\$\$
		2' x4' x5/8"	Class A	8243	.55	35	.86	White	E	Low		65%	\$\$
	FLB 	2' x2' x5/8"	Class A	8227	.55	35	.86	White	F, H, I, L	Low		65%	\$\$
		2' x2' x3/4"		8722	.50	35	.86	White	G, J	Low		69%	\$\$
		2' x4' x5/8"	Class A	8247	.55	35	.86	White	F, H, I, L	Low		65%	\$\$
ASTRO CLIMAPLUS Illusion Two/24 Panels	SLT ⁶ 	Class A	8742	.55	35	.86	White	E	Low		65%	\$\$	
	ILT ⁷ 	Class A	8744	.55	35	.86	White	K, L	Low		65%	\$\$	

Illusion Two/24 The look of 2 x 2 panels

Patterns















Legend

 **Low Emissions (VOC Class)**

Classified as low-emitting per standards established by the Collaborative for High-Performance Schools (CHPS), following California Specification 01350 testing methods.

 **CLIMAPLUS Superior Performance⁸**

Contains a broad-spectrum antimicrobial treatment on the face and back of the panel that provides guaranteed resistance against the growth of mould/mildew.

	A DX®/DXL™	B DXW™	C ⁹ CENTRICITEE™ DXT	D CENTRICITEE™ DXLT	E DOWN DX/DXL	F CENTRICITEE™ DXT	G CENTRICITEE™ DXLT	H FINELINE® DXF	I FINELINE® 1/8 DXFF	J FINELINE® DXLF	K CENTRICITEE™ DXT	L MERIDIAN™ DXM
Grid Profile Options												

Physical Data/ Footnotes

Product literature
 Data sheet# EAC_A345
ASTM E1264 classification
 ASTRO: Type III, Form 1 and 2, Pattern G; ASTRO Illusion: Type III, Form 1, Pattern GK
ASTM E84 surface burning characteristics
 Class A
 Flame spread: 25
 Smoke developed: 50
Weight
 0.85 lb./sq. ft. (Class A)
 1.10 lb./sq. ft. (Firecode)

Thermal resistance
 R-2.0 (Class A 5/8")
 R-2.4 (Class A 3/4")
 R-2.4 (Firecode 3/4")
Maximum backloading
 See Warranty for details.
Maintenance
 Can be cleaned easily with a soft brush or vacuum.
Texture
 Because the manufacturing process for ASTRO CLIMAPLUS ceiling panels can potentially create subtle texture variations, we recommend ordering and installing this product by production lot number.

Footnotes
 1. Applies when CGC acoustical ceilings recycling program is utilized.
 2. Dependent on location; see Sustainability selector.
 3. Fire-rated items: see UL design details.
 4. LR values are shown as averages.
 5. For details, see Sustainability selector.
 6. Panels have a 15/16" routing.
 7. Panels have a 9/16" routing.
 8. Panel face and back surfaces treated with a patented, broad-spectrum antimicrobial standard formulation that inhibits and retards the growth of mould/mildew.



Brio Panels with *CLIMAPLUS* Superior Performance/
DONN CENTRICITEE DXT Suspension System

LEED Credits

Recycled Content: 71%
CLIMAPLUS Superior Performance for Mould/Mildew

MR				EQ		
Waste Reduction ¹	Recycled Content	Regional Materials ²	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
	●	●	●	●	●	●

Features and Benefits

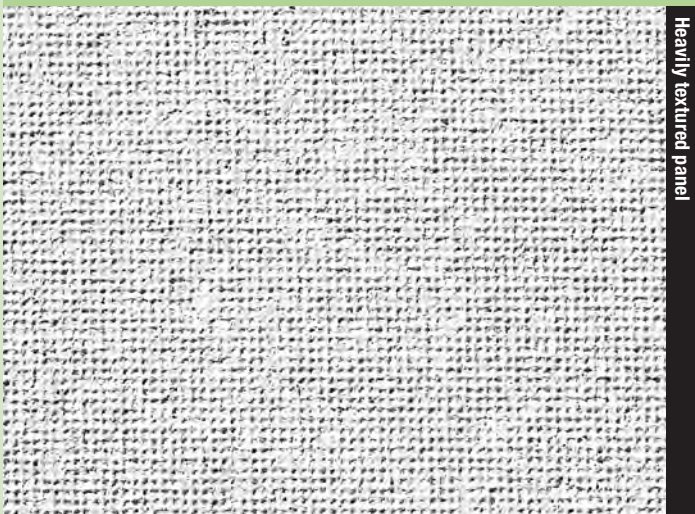
- Uniquely textured cast product with durable surface that resists scrapes commonly caused by accessing the ceiling plenum.
- Integral colour masks nicks and scratches and enhances lifelong panel appearance.
- *CLIMAPLUS* 30-year lifetime system warranty to withstand conditions up to 104 °F (40 °C)/95% relative humidity without visible sag when used with a *DONN*® brand suspension system.

Applications

- Conference and lobby areas
- Executive offices
- Entertainment and gaming
- Hospitality
- Schools

Substrate

- Cast mineral fiber





































Heavily textured panel



White

30
 Year System Warranty
 – No visible sag
 – Mould/mildew protection

	Edge	Panel Size	Class	Item No.	UL Classified			Colour	Grid Options	VOC Emissions	Anti-Mould & Mildew	Abuse-Resistant	Recycled Content*	Panel Cost												
					NRC	CAC Min.	LR ³																			
Brio™ CLIMAPlus™ Panels	SL 	2' x 2' x 3/4" Paper-Back	Class A	308	.70 	35 	.81 	White	A 	Zero 			71% 	\$\$ 												
	FL 	2' x 2' x 3/4" Paper-Back	Class A	309	.70 	35 	.81 	White	B, C, D 	Zero 			71% 	\$\$ 												
Legend																										
 Zero Emissions (VOC Class) Classified as zero-emitting per standards established by the Collaborative for High-Performance Schools (CHPS), following California Specification 01350 testing methods.					 CLIMAPlus Superior Performance⁵ Contains a broad-spectrum antimicrobial treatment on the face and back of the panel that provides guaranteed resistance against the growth of mould/mildew.																					
<table border="1"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> <th>D</th> </tr> </thead> <tbody> <tr> <td>DX®/DXL™</td> <td>CENTRICITEE™ DXT</td> <td>FINELINE® DXF</td> <td>FINELINE® 1/8 DXFF</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>															A	B	C	D	DX®/DXL™	CENTRICITEE™ DXT	FINELINE® DXF	FINELINE® 1/8 DXFF				
A	B	C	D																							
DX®/DXL™	CENTRICITEE™ DXT	FINELINE® DXF	FINELINE® 1/8 DXFF																							
																										
Grid Profile Options																										

**Physical Data/
Footnotes**

Product literature
 Data sheet# EAC_A346
ASTM E1264 classification
 Type III, Form 4, Pattern Z
ASTM E84 surface burning characteristics
 Class A
 Flame spread: 25
 Smoke developed: 50
Weight
 1.65 lb./sq. ft.
Thermal resistance
 R-1.7
Maximum backloading
 See Warranty for details.

Maintenance
 Can be cleaned easily with a soft brush or vacuum.
Texture
 The manufacturing process for cast ceiling panels creates natural, subtle texture variations, which is a distinguishing feature of these products. Because of potential variances between production dates, we recommend ordering and installing cast products by production date code.

Footnotes
 1. Applies when CGC acoustical ceilings recycling program is utilized.
 2. Dependent on location; see Sustainability selector.
 3. LR values are shown as averages.
 4. For details, see Sustainability selector.
 5. Panel face and back surfaces treated with a patented, broad-spectrum antimicrobial standard formulation that inhibits and retards the growth of mould/mildew.



CLEAN ROOM Class 10M–100M Panels with *CLIMAPLUS* Performance/
DONN DXL Suspension System

LEED Credits

Recycled Content: 51%
CLIMAPLUS No-Sag Warranty

MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
	●	●	●		●	●

Features and Benefits

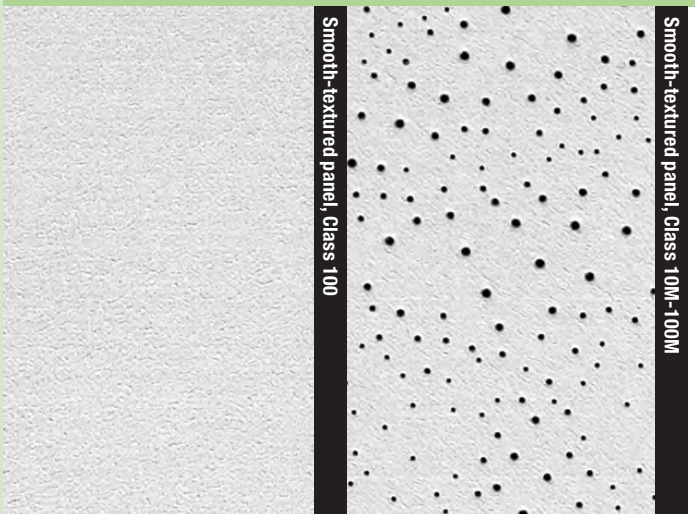
- CLEAN ROOM™ *CLIMAPLUS*™ Class 100 and Class 10M-100M panels have an embossed, vinyl-laminated face with sealed back and edges for use in Class 100 or 10M-100M clean rooms.
- FIRECODE™ formulation designed to meet life safety codes.
- *CLIMAPLUS* 30-year lifetime system warranty to withstand conditions up to 104 °F (40 °C)/95% relative humidity without visible sag when used with a DONN® brand suspension system.

Applications

- Clean rooms
- Computer rooms
- Emergency rooms
- Kitchen/food prep area
- Laboratories
- Locker rooms
- MRI rooms

Substrate

- Water-felted mineral fiber



White

30
 Year System Warranty
 – No visible sag

UL Classified											
Edge	Panel Size	Class ²	Item No.	NRC ³	CAC Min.	LR ⁴	Colour	Grid Options	Recycled Content ⁵	Panel Cost	
CLEAN ROOM CLIMAPlus Class 100 Panels	SQ 	2' x2' x5/8"	56099	—	35	.79	White	A, B, C, D	51%	\$\$	
		2' x4' x5/8"	56091	—	35	.79	White	A, B, C, D	51%	\$\$	
CLEAN ROOM CLIMAPlus Class 10M-100M Panels	SQ 	2' x2' x5/8"	56060	.55	35	.79	White	A, B, C, D	51%	\$\$	
		2' x4' x5/8"	56090	.55	35	.79	White	A, B, C, D	51%	\$\$	
	A DX®/DXL™	B ZXL™	C AX™	D CE™ ⁷							
Grid Profile Options ⁶											

**Physical Data/
Footnotes**

Product literature
 Data sheet# EAC_A347

ASTM E1264 classification
 Class 100: Type X, Pattern GI
 Class 10-100M: Type X, Pattern CGI

ASTM E84 surface burning characteristics
 Class A
 Flame spread: 25
 Smoke developed: 50

Weight
 1.1 lb./sq. ft. (Class 100 panels)
 1.2 lb./sq. ft. (Class 10M-100M panels)

Thermal resistance
 R-1.6

Maximum backloading
 See Warranty for details.

Maintenance
 Can be cleaned easily with a damp sponge, mild detergent and water. Do not use acetate, ammonia, or highly concentrated chlorine, bromide or other harsh chemicals.

Footnotes
 1. Dependent on location; see Sustainability selector.
 2. Fire-rated items: see UL design details.

3. NRC rating CLEAN ROOM CLIMAPlus Class 100 panels is .10. CGC does not consider a ceiling panel to be acoustically rated if NRC is less than .50.
 4. LR values are shown as averages.
 5. For details, see Sustainability selector.
 6. Field-cut edges of CLEAN ROOM panels may be sealed with white latex paint.
 7. Clean-room-rated applications require a suspension system with gasketed tee flanges such as DOWN CE.



Eclipse Panels with *CLIMAPLUS* Superior Performance/
DONN FINELINE DXF Suspension System

LEED Credits

Recycled Content: 62% – 77%
CLIMAPLUS Superior Performance for Mould/Mildew

MR				EQ		
Waste Reduction ¹	Recycled Content	Regional Materials ²	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●	●	●	●	●

Features and Benefits

- NRC performance of .70.
- Optional FIRECODE™ formulation.
- *CLIMAPLUS* 30-year lifetime system warranty to withstand conditions up to 104 °F (40 °C)/95% relative humidity without visible sag when used with a DONN® brand suspension system.
- Panel used in RENDITIONS™ face-routed ceiling systems (see IC327).

Applications

- Schools
- Hotels
- Lobbies
- General office and conference areas
- Transportation terminals

Substrate

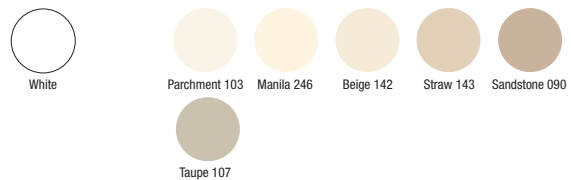
- X-Technology mineral fiber



Fine-textured panel

See individual items for colour availability.

Standard Colours



Web Sites:
www.cgcinc.com
www.usgdesignstudio.com
www.sustainableceilings.com
www.seismicceilings.com

Customer Service
 Ontario/Atlantic Canada 800-387-2690
 Quebec/Eastern Ontario 800-361-1310
 Western Canada 800-242-4418

30
 Year System Warranty
 - No visible sag
 - Mould/mildew protection

UL Classified												
Edge	Panel Size Imperial Metric (mm) ³	Class ⁴	Item No. Imperial Metric	NRC	CAC Min.	LR ⁵	Colour ⁶	Grid Options	VOC Emissions	Anti-Mould & Mildew	Recycled Content ⁷	Panel Cost
ECLIPSE CLIMAPLUS Panels	SQ		Class A	76575	.70	35	.86	White	A, B, C, L	Low	77%	\$\$
			Class A	78575	.70	35	.86	White	A, B	Low	77%	\$\$
			Class A	75423	.70	35	.86	White	A, B	Low	77%	\$\$
			Class A	70595	.70	35	.86	White	A, B	Low	77%	\$\$
	SLT		Class A	76775	.70	35	.86	White Standard	D	Low	77%	\$\$
				76779	.60	35	.86	White	D	Low	62%	\$\$
			Class A	78775	.70	35	.86	White	D	Low	77%	\$\$
			Class A	77775	.70	35	.86	White	D	Low	77%	\$\$
	FL		Class A	76975	.70	35	.86	White Standard	E, G, H, K	Low	77%	\$\$
				76979	.60	35	.86	White	F, I	Low	62%	\$\$
				77975	.60	35	.86	White	F, I	Low	62%	\$\$
				70795	.60	35	.86	White	F, I	Low	62%	\$\$
ECLIPSE CLIMAPLUS Tile ^{8,9}	BESK		Class A	70073	.60	40	.86	White	J	Low	77%	\$\$\$\$

Legend *may be subject to minimum quantities

Low Emissions (VOC Class)
 Classified as low-emitting per standards established by the Collaborative for High-Performance Schools (CHPS), following California Specification 01350 testing methods.

CLIMAPLUS Superior Performance¹⁰
 Contains a broad-spectrum antimicrobial treatment on the face and back of the panel that provides guaranteed resistance against the growth of mould/mildew.

A	B	C	D	E	F	G	H	I	J	K	L
DX®/DXL™	DXW™	CENTRICITEE™ DXT	DX/DXL	CENTRICITEE DXT	CENTRICITEE DXLT	FINELINE® DXF	FINELINE® 1/8 DXFF	FINELINE® DXLF	DX®/DXL™ Concealed	MERIDIAN™ DXM	MERIDIAN™ DXM

Physical Data/ Footnotes

Product literature
 Data sheet #EAC_A348

ASTM E1264 classification
 Type III, Form 1, Pattern EI

ASTM E84 surface burning characteristics
 Class A
 Flame spread: 25
 Smoke developed: 50

Imperial weight
 .97 lb./sq. ft. (Class A panels and tile)
 1.2 lb./sq. ft. (Firecode panels)

Metric weight
 5.07 kg/m² (Class A panels)

Thermal resistance
 R-2.0 (Class A)
 R-1.9 (Firecode)

Maximum backloading
 See Warranty for details.

Maintenance
 Can be cleaned easily with a soft brush or vacuum.

Patented technology
 This product's unique combination of sag resistance and sound performance results from a technology covered by U.S. Patent No. 5,250,153.

Footnotes
 1. Applies when CGC acoustical ceilings recycling program is utilized.
 2. Dependent on location; see Sustainability selector.
 3. Metric available in white only.
 4. Fire-rated items: see UL design details.
 5. LR values shown as averages.
 6. See Colours selector for more information. Metric: white only.
 7. For details, see Sustainability selector.
 8. Contact CGC for adhesive recommendations for 12"x12" glue-up applications.
 9. Not UL Classified for acoustics.
 10. Panel face and back surfaces treated with a patented, broad-spectrum antimicrobial standard formulation that inhibits and retards the growth of mould/mildew.

Eclipse™ *ClimaPlus*™ Illusion and Pedestals



10

Year Availability
78785



ECLIPSE Pedestals IV Panels with *CLIMAPlus* Superior Performance/
DONN CENTRICITEE DXT Suspension System

LEED Credits

Recycled Content: 77%
CLIMAPlus Superior Performance for Mould/Mildew

MR				EQ		
Waste Reduction ¹	Recycled Content	Regional Materials ²	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●	●	●	●	●

Features and Benefits

- A variety of face scores create the illusion of a smaller-scaled ceiling system without compromising accessibility.
- Solid NRC performance of up to .70 meets general office acoustical needs for sound absorption.
- *CLIMAPlus* 30-year lifetime system warranty to withstand temperature and humidity conditions up to 104 °F (40 °C)/95% relative humidity without visible sag when used with a *DONN*® brand suspension system.

Applications

- Boutiques
- Schools
- Reception lobbies
- Transportation terminals

Substrate

- X-Technology mineral fiber



Fine-textured panel



White

30

Year System Warranty
 – No visible sag
 – Mould/mildew protection

UL Classified													
Edge	Panel Size	Class	Item No.	NRC	CAC Min. ³	LR ⁴	Colour	Grid Options	VOC Emissions	Anti-Mould & Mildew	Recycled Content ⁵	Panel Cost	
ECLIPSE CLIMAPLUS Illusion Two/24 Panels The look of 2'x2' panels	SLT ⁶ 	2'x4'x3/4"	Class A	78785	.70 	35	.84	White	A	Low 		77%	\$\$
	ILT ⁷ 	2'x4'x3/4"	Class A	78085	.70 	35	.84	White	B, E	Low 		77%	\$\$
ECLIPSE CLIMAPLUS Pedestals I Panels Triple-step scoring	PE/SLT 	2'x2'x3/4"	Class A	72715	.65	35	.84	White	C	Low 		77%	\$\$
	PE/ILT 	2'x2'x3/4"	Class A	72015	.65	35	.84	White	D, F	Low 		77%	\$\$
ECLIPSE CLIMAPLUS Pedestals IV Panels Triple-step scoring in 12"x12" modules	PE/SLT ⁶ 	2'x2'x3/4"	Class A	72716	.65	35	.84	White	C	Low 		77%	\$\$
	PE/ILT ⁷ 	2'x2'x3/4"	Class A	72215	.65	35	.84	White	D, F	Low 		77%	\$\$

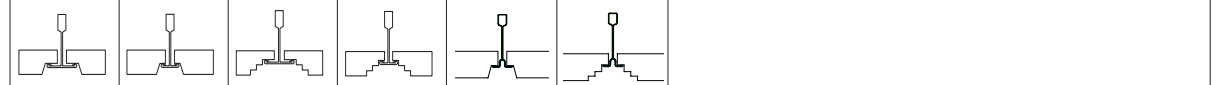
Illusion Two/24	Pedestals I	Pedestals IV

Legend

Low Emissions (VOC Class)
 Classified as low-emitting per standards established by the Collaborative for High-Performance Schools (CHPS), following California Specification 01350 testing methods.

CLIMAPLUS Superior Performance⁸
 Contains a broad-spectrum antimicrobial treatment on the face and back of the panel that provides guaranteed resistance against the growth of mould/mildew.

A	B	C	D	E	F
DX®/DXL™	CENTRICITEE™ DXT	DX/DXL	CENTRICITEE DXT	MERIDIAN™ DXM	MERIDIAN™ DXM



Physical Data/ Footnotes

<p>Product literature Data sheet# EAC_A349</p> <p>ASTM E1264 classification Type III, Form 1, Pattern EIK (Illusion) or Pattern EI (Pedestals)</p> <p>ASTM E84 surface burning characteristics Class A Flame spread: 25 Smoke developed: 50</p> <p>Weight .97-1.2 lb./sq. ft.</p>	<p>Thermal resistance R-2.0</p> <p>Maximum backloading See Warranty for details.</p> <p>Maintenance Can be cleaned easily with a soft brush or vacuum.</p> <p>Patented technology This product's unique combination of sag resistance and sound performance results from a technology covered by U.S. Patent No. 5,250,153.</p>	<p>Footnotes</p> <ol style="list-style-type: none"> 1. Applies when CGC acoustical ceilings recycling program is utilized. 2. Dependent on location; see Sustainability selector. 3. Adding sound masking can be as effective as using a ceiling panel with a higher CAC rating, providing increased privacy between enclosed office spaces. 4. LR values are shown as averages. 5. For details, see Sustainability selector. 	<p>6. Panels have a 15/16" routing. 7. Panels have a 9/16" routing. 8. Panel face and back surfaces treated with a patented, broad-spectrum anti-microbial standard formulation that inhibits and retards the growth of mould/ mildew.</p> <p>Note Panels with face routing do not carry CGC's CLIMAPLUS non-sag warranty. Refer to standard commercial ceilings warranty.</p>
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“F” FISSURED Panels/
DONN CENTRICITEE DXT Suspension System

LEED Credits
Recycled Content: 71%

MR				EQ		
Waste Reduction ¹	Recycled Content	Regional Materials ²	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●	●	●	●	●

Features and Benefits

- Cast product with durable surface that resists scrapes commonly caused by accessing the ceiling plenum.
- Combine 12"x12" tile with the DONN® brand DX®/DXL™ concealed suspension system to create a nearly monolithic ceiling surface.

Applications

- Administrative offices
- Schools
- Financial institutions
- Religious buildings

Substrate

- Cast mineral fiber



Medium-textured panel



White

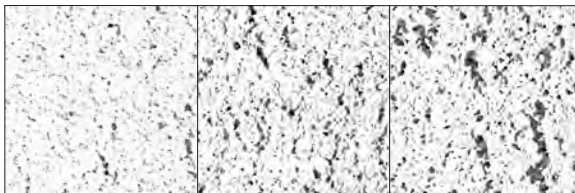
UL Classified												
Edge	Panel Size	Class	Item No.	NRC	CAC Min.	LR ³	Colour	Grid Options	VOC Emissions	Abuse-Resistant	Recycled Content ⁴	Panel Cost
"F" FISSURED Panels	SQ 	2'x2'x3/4" Foil-Back	Class A 131	.70 	35	.79	White	A, B, C	Zero		71%	\$\$
		2'x4'x3/4" Foil-Back	Class A 135	.70 	35	.79	White	A, B	Zero		71%	\$\$
	SL 	2'x2'x3/4" Foil-Back	Class A 132	.70 	35	.79	White	D	Zero		71%	\$\$
		2'x4'x3/4" Foil-Back	Class A 136	.70 	35	.79	White	D	Zero		71%	\$\$
	FL 	2'x2'x3/4" Foil-Back	Class A 133	.70 	35	.79	White	E, F, G, J	Zero		71%	\$\$
		2'x4'x3/4" Foil-Back	Class A 133	.70 	35	.79	White	E, F, G, J	Zero		71%	\$\$
"F" FISSURED Tile ^{5,6}	BESK 	12"x12"x3/4"	Class A 102	.70 	25	.79	White	H	Zero		71%	\$\$\$\$
	SESK 	12"x12"x3/4"	Class A 101	.70 	25	.79	White	I	Zero		71%	\$\$\$\$

Legend

Zero Emissions (VOC Class)

Classified as zero-emitting per standards established by the Collaborative for High-Performance Schools (CHPS), following California Specification 01350 testing methods.

Grid Profile Options	A DX®/DXL™	B DXW™	C CENTRICITEE™ DXT	D DX/DXL	E CENTRICITEE™ DXT	F FINELINE® DXF	G FINELINE® 1/8 DXFF	H DX®/DXL™ Concealed	I DX/DXL Concealed	J MERIDIAN™ DXM



Composite of "F" FISSURED ceiling products shows range to be expected in a production lot, and possibly in the same panel or tile. Ranges are random and cannot be specified. Texture appearance will vary based on ceiling height, installation methods, and natural variations of the product.

**Physical Data/
Footnotes**

Product literature
 Data sheet# EAC_A350
ASTM E1264 classification
 Type III, Form 4, Pattern D
ASTM E84 surface burning characteristics
 Class A
 Flame spread: 25
 Smoke developed: 50
Weight
 1.75 lb./sq. ft.
Thermal resistance
 R-1.7
Maximum backloading
 See Warranty for details.

Maintenance
 Can be cleaned easily with a soft brush or vacuum.
Texture
 The manufacturing process for cast ceiling panels creates natural, subtle texture variations, which is a distinguishing feature of these products. Because of potential variances between production dates, we recommend ordering and installing cast products by production lot number.

Footnotes
 1. Applies when CGC acoustical ceilings recycling program is utilized.
 2. Dependent on location; see Sustainability selector.
 3. LR values are shown as averages.
 4. For details, see Sustainability selector.
 5. Contact CGC for adhesive recommendations for 12"x12" glue-up applications.
 6. Not UL Classified for acoustics.



FISSURED Panels/
DOWN DX/DXL Suspension System

LEED Credits

Recycled Content: 25% – 50%

MR				EQ		
Waste Reduction ¹	Recycled Content	Regional Materials ²	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●	●	●	●	●

Features and Benefits

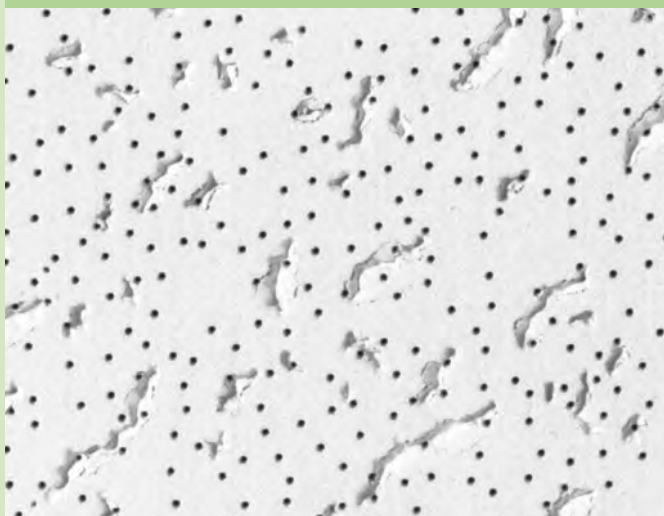
- Economical, all-purpose ceiling pattern available in various panel sizes.
- Optional FIRECODE™ formulation designed to meet life safety codes.

Applications

- Administrative offices
- Corridors
- Mass merchandisers
- Convenience stores

Substrate






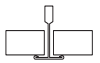




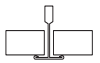




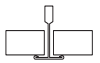




- Water-felted mineral fiber



Medium-textured panel



White

UL Classified																										
Edge	Panel Size	Class ³	Item No.	NRC	CAC Min.	LR ⁴	Colour	Grid Options	VOC Emissions	Recycled Content ⁵	Panel Cost															
FISSURED Panels	SQ 	Class A	560	.55	33	.81	White	A, B, C, E	Low	25%	\$															
			585	.55	35	.81	White	A	Low	48-50%	\$															
		Class A	562	.55	35	.81	White	A, B	Low	25%	\$															
			586	.55	35	.81	White	A	Low	48-50%	\$															
	SLT 	Class A	506	.55	33	.81	White	D	Low	25%	\$															
		Class A	507	.55	35	.81	White	D	Low	25%	\$															
Legend  Low Emissions (VOC Class) Classified as low-emitting per standards established by the Collaborative for High-Performance Schools (CHPS), following California Specification 01350 testing methods.																										
<table border="1"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> </tr> <tr> <th>DX®/DXL™</th> <th>DXW™</th> <th>CENTRICITEE™ DXT</th> <th>DX/DXL</th> <th>MERIDIAN™ DXM</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>												A	B	C	D	E	DX®/DXL™	DXW™	CENTRICITEE™ DXT	DX/DXL	MERIDIAN™ DXM					
A	B	C	D	E																						
DX®/DXL™	DXW™	CENTRICITEE™ DXT	DX/DXL	MERIDIAN™ DXM																						
																										
Grid Profile Options																										

**Physical Data/
Footnotes**

Product literature
 Data sheet# EAC_A351
ASTM E1264 classification
 Type III, Form 2, Pattern CD
ASTM E84 surface burning characteristics
 Class A
 Flame spread: 25
 Smoke developed: 50
Weight
 .61-1.2 lb./sq. ft. (Class A)
 1.14-1.22 lb./sq. ft. (FIRECODE)

Thermal resistance
 R-1.4 (Class A)
 R-1.6 (FIRECODE)
Maximum backloading
 See Warranty for details.
Maintenance
 Can be cleaned easily with a soft brush or vacuum.

Footnotes
 1. Applies when CGC acoustical ceilings recycling program is utilized.
 2. Dependent on location; see Sustainability selector.
 3. Fire-rated items: see UL design details.
 4. LR values are shown as averages.
 5. For details, see Sustainability selector.



Fresco Panels with *CLIMAPLUS* Superior Performance/
DONN FINELINE 1/8 DXFF Suspension System

LEED Credits

Recycled Content: 71%
CLIMAPLUS Superior Performance for Mould/Mildew

MR				EQ		
Waste Reduction ¹	Recycled Content	Regional Materials ²	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
	●	●	●	●	●	●

Features and Benefits

- Uniquely textured cast product with durable surface that resists scrapes commonly caused by accessing the ceiling plenum.
- Integral colour masks nicks and scratches and enhances lifelong panel appearance.
- *CLIMAPLUS* 30-year lifetime system warranty to withstand conditions up to 104 °F (40 °C)/95% relative humidity without visible sag when used with a *DONN*® brand suspension system.

Applications

- Conference and lobby areas
- Department stores
- Entertainment and gaming
- Executive offices
- Media centers
- Hospitality

Substrate

- Cast mineral fiber



Heavily textured panel



White

30
 Year System Warranty
 – No visible sag
 – Mould/mildew protection

Edge	Panel Size	Class	Item No.	UL Classified			Colour	Grid Options	VOC Emissions	Anti-Mould & Mildew	Abuse-Resistant	Recycled Content*	Panel Cost
				NRC	CAC Min.	LR ³							
Fresco CLIMAPLUS Panels	SL 	2' x2' x3/4" Paper-Back	Class A 608	.70 	35 	.83 	White	A 	Zero 			71% 	\$\$
	FL 	2' x2' x3/4" Paper-Back	Class A 609	.70 	35 	.83 	White	B, C, D, E 	Zero 			71% 	\$\$

Legend

Zero Emissions (VOC Class)
 Classified as zero-emitting per standards established by the Collaborative for High-Performance Schools (CHPS), following California Specification 01350 testing methods.

CLIMAPLUS Superior Performance⁵
 Contains a broad-spectrum antimicrobial treatment on the face and back of the panel that provides guaranteed resistance against the growth of mould/mildew.

A	B	C	D	E
DX®/DXL™	CENTRICITEE™ DXT	FINELINE® DXF	FINELINE® 1/8 DXFF	MERIDIAN™ DXM

Grid Profile Options

Physical Data/ Footnotes

Product literature
 Data sheet# EAC_A352

ASTM E1264 classification
 Type III, Form 4, Pattern Z

ASTM E84 surface burning characteristics
 Class A
 Flame spread: 25
 Smoke developed: 50

Weight
 1.65 lb./sq. ft.

Thermal resistance
 R-1.7

Maximum backloading
 See Warranty for details.

Maintenance
 Can be cleaned easily with a soft brush or vacuum.

Texture
 The manufacturing process for cast ceiling panels creates natural, subtle texture variations, which is a distinguishing feature of these products. Because of potential variances between production dates, we recommend ordering and installing cast products by production lot number.

Footnotes
 1. Applies when CGC acoustical ceilings recycling program is utilized.
 2. Dependent on location; see Sustainability selector.
 3. LR values are shown as averages.
 4. For details, see Sustainability selector.
 5. Panel face and back surfaces are treated with CGC's superior performing, patented, broad-spectrum antimicrobial treatment. This standard formulation inhibits and retards the growth of mould/mildew.



FROST Panels/
DONN Finline DXF Suspension System

LEED Credits

Recycled Content: 70% – 71%

MR				EQ		
Waste Reduction ¹	Recycled Content	Regional Materials ²	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●	●	●	●	●

Features and Benefits

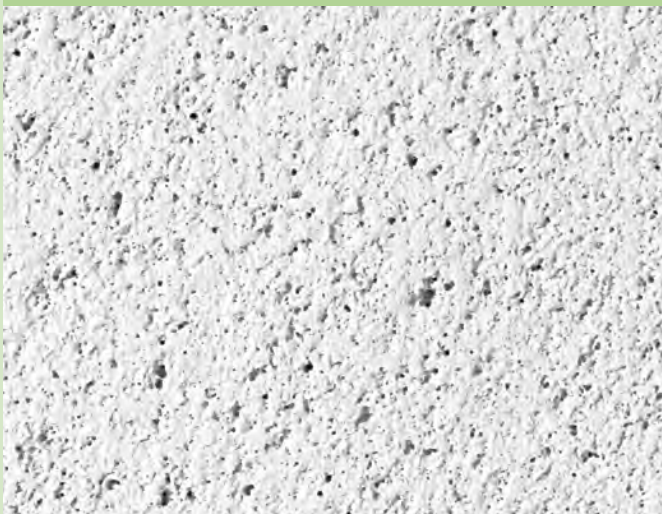
- Fine-textured cast product with durable surface that resists scrapes caused by accessing the ceiling plenum.
- Integral colour masks nicks and scratches to enhance lifelong panel appearance.
- Optional FIRECODE™ formulation designed to meet life safety codes.
- Nearly two times more impact resistant than typical fine-textured ceiling panels (ASTM C367 – 2” ball hardness test).

Applications

- Conference and lobby areas
- Executive offices
- Hospitality
- Retail stores
- Transportation terminals

Substrate

- Cast mineral fiber



Fine-textured panel



White

		UL Classified																															
Edge	Panel Size	Class ³	Item No.	NRC	CAC Min.	LR ⁴	Colour	Grid Options	VOC Emissions	Abuse-Resistant	Recycled Content ⁵	Panel Cost																					
FROST Panels	SLB 	Class A	440	.70	40	.85	White	A	Zero		71%	\$\$																					
	Foil-Back																																
	2'x2'x3/4"		415	.55	35	.85	White	A	Zero		70%	\$\$																					
	Foil-Back																																
	2'x4'x3/4"	Class A	450	.70	38	.85	White	A	Zero		71%	\$\$																					
	Paper-Back																																
	FL 	Class A	460	.70	38	.85	White	B, C, D, F	Zero		71%	\$\$																					
	Paper-Back																																
FROST Pedestals I Panels Triple-step scoring	PE/IL 	Class A	400	.70	35	.85	White	E, G	Zero		71%	\$\$\$																					
	Paper-Back																																
Legend																																	
Zero Emissions (VOC Class) Classified as zero-emitting per standards established by the Collaborative for High-Performance Schools (CHPS), following California Specification 01350 testing methods.																																	
<table border="1"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> <th>F</th> <th>G</th> </tr> </thead> <tbody> <tr> <td>DX®/DXL™</td> <td>CENTRICITEE™ DXT</td> <td>FINELINE® DXF</td> <td>FINELINE® 1/8 DXFF</td> <td>CENTRICITEE DXT</td> <td>MERIDIAN™ DXM</td> <td>MERIDIAN™ DXM</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>													A	B	C	D	E	F	G	DX®/DXL™	CENTRICITEE™ DXT	FINELINE® DXF	FINELINE® 1/8 DXFF	CENTRICITEE DXT	MERIDIAN™ DXM	MERIDIAN™ DXM							
A	B	C	D	E	F	G																											
DX®/DXL™	CENTRICITEE™ DXT	FINELINE® DXF	FINELINE® 1/8 DXFF	CENTRICITEE DXT	MERIDIAN™ DXM	MERIDIAN™ DXM																											
Grid Profile Options																																	

**Physical Data/
Footnotes**

Product literature
 Data sheet# EAC_A353

ASTM E1264 classification
 Type III, Form 4, Pattern E

ASTM E84 surface burning characteristics
 Class A
 Flame spread: 25
 Smoke developed: 50

Weight
 1.65-1.7 lb./sq. ft.

Thermal resistance
 R-1.7 (Class A)
 R-1.1 (FIRECODE)

Maximum backloading
 See Warranty for details.

Maintenance
 Can be cleaned easily with a soft brush or vacuum.

Impact resistance
 ASTM C369 – tested to min. 190 lbf. for 1/4" depression by a 2" steel ball.

Texture
 The manufacturing process for cast ceiling panels creates natural, subtle texture variations, which is a distinguishing feature of these products. Because of potential variances between production dates, we recommend ordering and installing cast products by production lot number.

Footnotes

1. Applies when CGC acoustical ceilings recycling program is utilized.
2. Dependent on location; see Sustainability selector.
3. Fire-rated items: see UL design details.
4. LR values are shown as averages.
5. For details, see Sustainability selector.



FROST Panels with *CLIMAPLUS* Superior Performance/
DONN FINELINE 1/8 DXFF Suspension System

LEED Credits

Recycled Content: 71%
CLIMAPLUS Superior Performance for Mould/Mildew

MR				EQ		
Waste Reduction ¹	Recycled Content	Regional Materials ²	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
	●	●	●	●	●	●

Features and Benefits

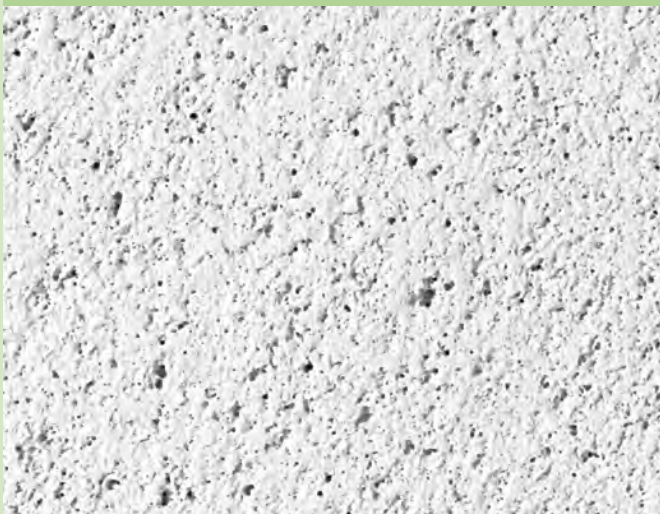
- Fine-textured cast product with durable surface that resists scrapes commonly caused by accessing the ceiling plenum.
- Integral colour masks nicks and scratches.
- Nearly two times more impact-resistant than typical fine-textured ceiling panels (ASTM C367).
- *CLIMAPLUS* 30-year lifetime system warranty to withstand conditions up to 104 °F (40 °C)/95% relative humidity without visible sag when used with a *DONN*® brand suspension system.

Applications

- Boutiques
- Schools
- Conference and lobby areas
- Executive offices
- Open-plan offices

Substrate

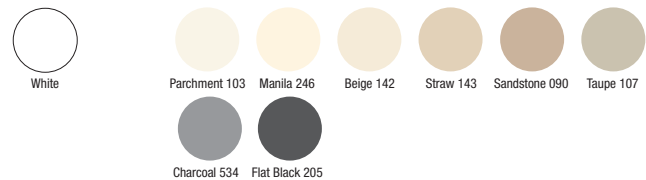
- Cast mineral fiber



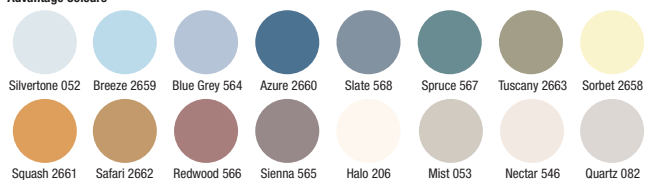
Fine-textured panel

See individual items for colour availability.




































Standard Colours



Advantage Colours



30
 Year System Warranty
 – No visible sag
 – Mould/mildew protection

	Edge	Panel Size	Class	Item No.	UL Classified			Colour ⁵	Grid Options	VOC Emissions	Anti-Mould & Mildew	Abuse-Resistant	Recycled Content ⁶	Panel Cost																		
					NRC	CAC Min. ³	LR ⁴																									
FROST CLIMAPLUS Panels	SLB 	2' x2' x3/4" Paper-Back	Class A	414	.70	38	.83	White Standard Advantage	A	Zero			71%	\$\$																		
	FL 	2' x2' x3/4" Paper-Back	Class A	418	.70	38/40	.83	White Standard Advantage	B, C, D, E	Zero			71%	\$\$																		
	FLB 	2' x2' x3/4" Paper-Back	Class A	419	.70	38/40	.83	White Standard Advantage	B, C, D, F	Zero			71%	\$\$																		
FROST CLIMAPLUS High LR	SLB 	2' x2' x3/4" Paper-Back	Class A	490	.70	35	.88	White	A	Zero			71%	\$\$																		
	FLB 	2' x2' x3/4" Paper-Back	Class A	491	.70	35	.88	White	B, C, D, F	Zero			71%	\$\$																		
Legend																																
 Zero Emissions (VOC Class) Classified as zero-emitting per standards established by the Collaborative for High-Performance Schools (CHPS), following California Specification 01350 testing methods.					 CLIMAPLUS Superior Performance⁷ Contains a broad-spectrum antimicrobial treatment on the face and back of the panel that provides guaranteed resistance against the growth of mould/mildew.																											
<table border="1"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> <th>F</th> </tr> <tr> <td>DX®/DXL™</td> <td>CENTRICITEE™ DXT</td> <td>FINELINE® DXF</td> <td>FINELINE® 1/8 DXFF</td> <td>MERIDIAN™ DXM</td> <td>MERIDIAN™ DXM</td> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>															A	B	C	D	E	F	DX®/DXL™	CENTRICITEE™ DXT	FINELINE® DXF	FINELINE® 1/8 DXFF	MERIDIAN™ DXM	MERIDIAN™ DXM						
A	B	C	D	E	F																											
DX®/DXL™	CENTRICITEE™ DXT	FINELINE® DXF	FINELINE® 1/8 DXFF	MERIDIAN™ DXM	MERIDIAN™ DXM																											
																																
Grid Profile Options																																

Physical Data/ Footnotes

Product literature
 Data sheet# EAC_A354
ASTM E1264 classification
 Type III, Form 4, Pattern E
ASTM E84 surface burning characteristics
 Class A
 Flame spread: 25
 Smoke developed: 50
Weight
 1.65 lb./sq. ft.
Thermal resistance
 R-1.7 (Class A)

Maximum backloading
 See Warranty for details.
Maintenance
 Can be cleaned easily with a soft brush or vacuum.
Texture
 The manufacturing process for cast ceiling panels creates natural, subtle texture variations, which is a distinguishing feature of these products. Because of potential variances between production dates, we recommend ordering and installing colour cast products by production lot number.

Footnotes
 1. Applies when CGC acoustical ceilings recycling program is utilized.
 2. Dependent on location; see Sustainability selector.
 3. Item Nos. 418 and 419 achieve 40 CAC when installed with FINELINE or FINELINE 1/8 suspension system.
 4. LR values are shown as averages.
 5. See Colours selector for more information.
 6. For details, see Sustainability selector.
 7. Panel face and back surfaces treated with a patented, broad-spectrum antimicrobial standard formulation that inhibits and retards the growth of mould/mildew.



GLACIER Panels/
DONN FINELINE DXFF Suspension System

LEED Credits

Recycled Content: 70% – 71%

MR				EQ		
Waste Reduction ¹	Recycled Content	Regional Materials ²	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●	●	●	●	●

Features and Benefits

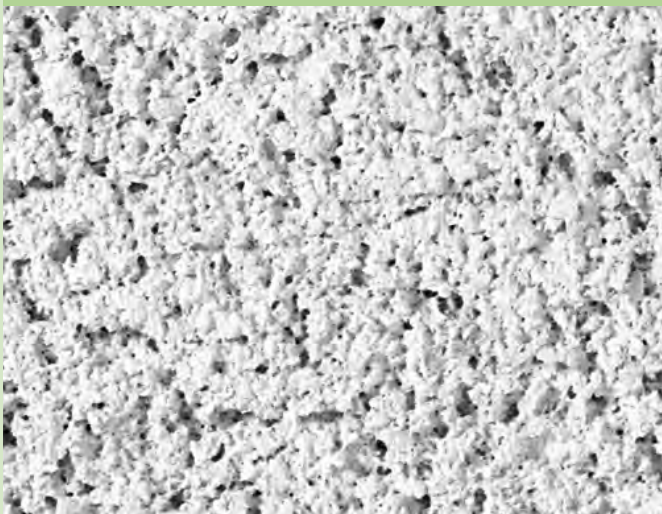
- Heavily textured cast product with durable surface that resists scrapes commonly caused by accessing the ceiling plenum.
- Combine 12"x12" tile with the DONN® brand DX®/DXL™ concealed suspension system to create a monolithic ceiling surface.
- Integral colour masks nicks and scratches and enhances lifelong panel appearance.
- Optional FIRECODE™ formulation designed to meet life safety codes.

Applications

- Food courts
- Hospitality
- Libraries
- Restaurants

Substrate

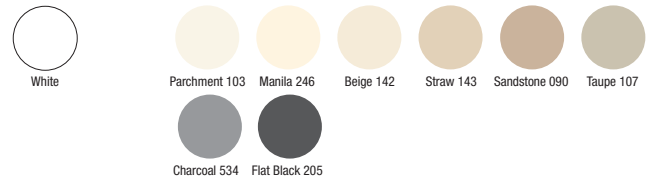
- Cast mineral fiber



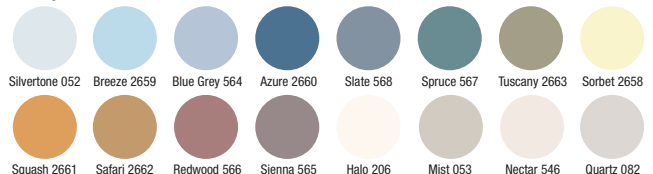
Heavy-textured panel

See individual items for colour availability.

Standard Colours



Advantage Colours



UL Classified																														
Edge	Panel Size	Class	Item No.	NRC	CAC Min.	LR ³	Colour ⁴	Grid Options	VOC Emissions	Abuse-Resistant	Recycled Content ⁵	Panel Cost																		
GLACIER Panels	SL 	2' x2' x3/4" Foil-Back	Class A 707	.65	35	.70	White Standard Advantage	A	Zero		71%	\$\$																		
		2' x2' x3/4" Foil-Back	 715	.65	35	.70	White	A	Zero		70%	\$\$																		
		2' x4' x3/4" Foil-Back	Class A 711	.65	35	.70	White	A	Zero		71%	\$\$																		
	FL 	2' x2' x3/4" Foil-Back	Class A 708	.65	35	.70	White Standard Advantage	B, C, D, F	Zero		71%	\$\$																		
GLACIER Tile ^{6,7,8}	SESK 	12"x12"x3/4"	Class A 701	.65	25	.70	White	E	Zero		71%	\$\$\$\$																		
Legend																														
Zero Emissions (VOC Class) Classified as zero-emitting per standards established by the Collaborative for High-Performance Schools (CHPS), following California Specification 01350 testing methods.																														
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A	B	C	D	E	F																									
DX®/DXL™	CENTRICITEE™ DXT	FINELINE® DXF	FINELINE® 1/8 DXFF	DX®/DXL™ Concealed	MERIDIAN™ DXM																									
Grid Profile Options																														

Physical Data/ Footnotes

Product literature
 Data sheet# EAC_A355

ASTM E1264 classification
 Type III, Form 4, Pattern F

ASTM E84 surface burning characteristics
 Class A
 Flame spread: 25
 Smoke developed: 50

Weight
 1.45 lb./sq. ft. (Class A panels and tile)
 1.50 lb./sq. ft. (Firecode panel)

Thermal resistance
 R-1.7 (Class A)
 R-1.3 (Firecode)

Maximum backloading
 See Warranty for details.

Maintenance
 Can be cleaned easily with a soft brush or vacuum.

Texture
 The manufacturing process for cast ceiling panels creates natural, subtle texture variations, which is a distinguishing feature of these products. Because of potential variances between production dates, we recommend ordering and installing colour cast products by production lot number.

Footnotes

1. Applies when CGC acoustical ceilings recycling program is utilized.
2. Dependent on location; see Sustainability selector.
3. LR values are shown as averages.
4. See Colours selector for more information.
5. For details, see Sustainability selector.
6. Texture appearance will vary based on ceiling height, installation methods, and natural variation of the product.
7. Contact CGC for adhesive recommendation for 12" x 12" glue-up applications.
8. Not UL Classified for acoustics.



HALCYON Panels with *CLIMAPLUS* Performance/
DONN FINELINE 1/8 DXFF Suspension System

LEED Credits

Recycled Content: 40% – 42%
CLIMAPLUS No-Sag Warranty

MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
	●	●			●	●

Features and Benefits

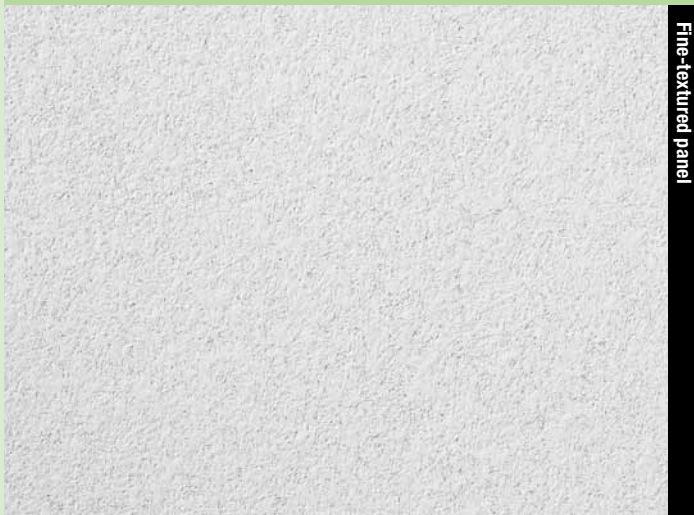
- Exceptional noise reduction with NRC values up to 1.00 for open-plan offices.
- Fine, monolithic texture.
- Light reflectance of .88 is part of an “indirect lighting” solution.
- Low-maintenance panels look new for years to come.
- *CLIMAPLUS*™ 30-year lifetime warranty to withstand conditions up to 104 °F (40 °C)/95% relative humidity without visible sag when used with a *DONN*® brand suspension system.

Applications

- Open-plan offices
- Offices with indirect lighting
- Reception and lobby areas
- Libraries

Substrate

- Fiberglass



Fine-textured panel



White

Web Sites:
www.cgcinc.com
www.usgdesignstudio.com
www.sustainableceilings.com
www.seismicceilings.com

Customer Service
 Ontario/Atlantic Canada 800-387-2690
 Quebec/Eastern Ontario 800-361-1310
 Western Canada 800-242-4418

30
 Year System Warranty
 – No visible sag
 – Mould/mildew protection

**HALCYON
 CLIMAPLUS
 Panels**

UL Classified											
Edge	Panel Size ²	Class	Item No.	NRC	CAC Min.	LR ³	Colour	Grid Options	Anti-Mould & Mildew	Recycled Content ⁴	Panel Cost
SQ	2'x2'x3/4"	Class A	97221	.90	20	.88	White	A, B, C		40%	\$\$
	2'x4'x3/4"	Class A	97241	.90	20	.88	White	A, B		40%	\$\$
	2'x2'x1"	Class A	98221	.95	20	.88	White	A, B, C		41%	\$\$
	30"x30"x1"	Class A	98331	.95	20	.88	White	A, B, C		41%	\$\$\$
	2'x2'x1" Foil-Back	Class A	88221	.90	30	.88	White	A, B, C		41%	\$\$
	2'x5'x1"	Class A	99262	.95	20	.88	White	A, B		41%	\$\$
	2'x4'x1"	Class A	98241	.95	20	.88	White	A, B		41%	\$\$
	2'x4'x1" Foil-Back	Class A	88223	.90	30	.88	White	A, B		41%	\$\$
	2'x4'x1-1/2"	Class A	99241	1.00	25	.88	White	A, B		42%	\$\$
	2'x4'x1-1/2" Foil-Back	Class A	88224	.95	30	.88	White	A, B		42%	\$\$
	2'x2'x1-1/2"	Class A	99221	1.00	25	.88	White	A, B, C		42%	\$\$
	SL	2'x2'x1"	Class A	98223	.95	20	.88	White	D		41%
2'x2'x1" Foil-Back		Class A	88225	.90	30	.88	White	D		41%	\$\$
2'x4'x1"		Class A	98243	.95	20	.88	White	D		41%	\$\$
30"x30"x1"		Class A	98333	.95	20	.88	White	D		41%	\$\$\$
2'x4'x1" Foil-Back		Class A	88226	.90	30	.88	White	D		41%	\$\$
2'x2'x1-1/2"		Class A	99223	1.00	25	.88	White	D		42%	\$\$
FL	2'x2'x1"	Class A	98225	.95	20	.88	White	E, F, G, H		41%	\$\$
	2'x4'x1"	Class A	98245	.95	20	.88	White	E, F, G, H		41%	\$\$
	30"x30"x1"	Class A	98335	.95	20	.88	White	E, F, G, H		41%	\$\$\$
	2'x2'x1" Foil-Back	Class A	88227	.90	30	.88	White	E, F, G, H		41%	\$\$
	2'x2'x1-1/2"	Class A	99225	1.00	25	.88	White	E, F, G, H		42%	\$\$

A	B	C	D	E	F	G	H
DX®/DXL™ ZXL™	DXW™	CENTRICITEE™ DXT	DX/DXL	CENTRICITEE™ DXT	FINELINE® DXF	FINELINE® 1/8 DXFF	MERIDAN™ DXM

Legend
 CLIMAPLUS Inherent Performance®
 Fiberglass substrate is inherently resistant to the growth of mould, mildew.

**Physical Data/
 Footnotes**

Product literature
 Data sheet# EAC_A357

ASTM E1264 classification
 Type XII, Form 2, Pattern G

ASTM E84 and CAN/ULC S102 surface burning characteristics
 Class A
 Flame spread: 25
 Smoke developed: 50

Weight
 0.38 lb./sq. ft. (3/4" panels)
 0.47 lb./sq. ft. (1" panels)
 0.68 lb./sq. ft. (1-1/2" panels)

Thermal resistance
 R-3.3 (3/4" panels)
 R-4.4 (1" panels)
 R-6.6 (1-1/2" panels)

Maximum backloading
 See Warranty for details.

Maintenance
 Can be cleaned easily with a soft brush or vacuum.

Footnotes
 1. Dependent on location; see Sustainability selector.
 2. Custom-size panels available. Please contact your CGC sales representative for details.
 3. LR values are shown as averages.
 4. For details, see Sustainability selector.

Halcyon™ *ClimaPlus*™ Planks and Large Sizes



HALCYON Planks with *CLIMAPLUS* Performance/
DONN CENTRICITEE DXT Suspension System

LEED Credits

Recycled Content: 40% – 41%
CLIMAPLUS No-Sag Warranty

MR				EQ		
Waste Reduction	Recycled Content	Regional Materials¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
	●	●			●	●

Features and Benefits

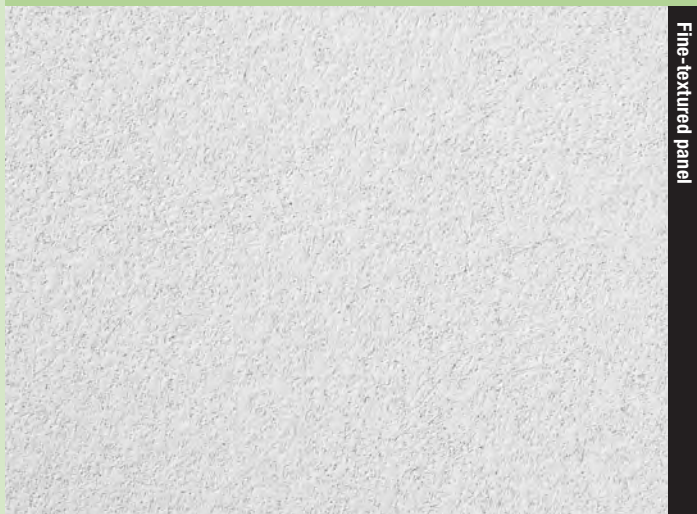
- Range of planks and panels for large-module ceilings.
- Fine, monolithic texture.
- Light reflectance of .88 is part of an “indirect lighting” solution.
- Exceptional noise reduction.
- *CLIMAPLUS* 30-year lifetime system warranty to withstand conditions up to 104 °F (40 °C)/95% relative humidity without visible sag when used with a *DONN*® brand suspension system.
- Lightweight fiberglass basemat makes installation fast and easy.

Applications

- Open-plan offices
- Reception and lobby areas
- Corridors
- Convention halls and concourses
- Spaces with indirect or natural lighting

Substrate

- Fiberglass



White

30
 Year System Warranty
 – No visible sag
 – Mould/mildew protection

	Edge	Panel Size ^{2,3}	Class	Item No.	UL Classified			Colour	Grid Options	Anti-Mould & Mildew	Recycled Content ⁵	Panel Cost	
					NRC	CAC Min.	LR ⁴						
HALCYON CLIMAPlus Planks	SQ 	2'x6'x3/4"	Class A	97262	.90		20	.88	White	A, B		40%	\$\$\$
		2'x8'x3/4"	Class A	97263	.90		20	.88	White	A, B		40%	\$\$\$
		20"x60"x1"	Class A	98261	.95		20	.88	White	A, B		40%	\$\$\$
		30"x60"x1"	Class A	97266	.95		20	.88	White	A, B		40%	\$\$\$
	SL 	2'x6'x1"	Class A	99268	.95		20	.88	White	D		41%	\$\$\$
		2'x8'x1"	Class A	99269	.95		20	.88	White	D		41%	\$\$\$
		20"x60"x1"	Class A	99267	.95		20	.88	White	D		41%	\$\$\$
		30"x60"x1"	Class A	99270	.95		20	.88	White	D		41%	\$\$\$
	FL 	2'x6'x1"	Class A	98348	.95		20	.88	White	E, F, G, H		41%	\$\$\$
		2'x8'x1"	Class A	98197	.95		20	.88	White	E, F, G, H		41%	\$\$\$
		20"x60"x1"	Class A	98194	.95		20	.88	White	E, F, G, H		41%	\$\$\$
		30"x60"x1"	Class A	98336	.95		20	.88	White	E, F, G, H		41%	\$\$\$
HALCYON CLIMAPlus Large Sizes	SQ 	4'x4'x1"	Class A	98441	.95		20	.88	White	A, B		41%	\$\$\$
		4'x8'x1"	Class A	98481	.95		20	.88	White	A, B		41%	\$\$\$
	SL 	4'x4'x1"	Class A	98443	.95		20	.88	White	D		41%	\$\$\$
	FL 	4'x4'x1"	Class A	98445	.95		20	.88	White	E, F, G, H		41%	\$\$\$

Legend

CLIMAPlus Inherent Performance⁶
 Fiberglass substrate is inherently resistant to the growth of mould and mildew.

A	B	C	D	E	F	G	H
DX®/DXL™	DXW™	CENTRICITEE™ DXT	DX/DXL	CENTRICITEE DXT	FINELINE® DXF	FINELINE® 1/8 DXFF	MERIDAN™ DXM

Grid Profile Options

Physical Data/ Footnotes

Product literature
 Data sheet# EAC_A358

ASTM E1264 classification
 Type XII, Form 2, Pattern G

ASTM E84 surface burning characteristics
 Class A
 Flame spread: 25
 Smoke developed: 50

Weight
 0.38 lb./sq. ft. (3/4" panels)
 0.47 lb./sq. ft. (1" panels)

Thermal resistance
 R-3.3 (3/4" panels)
 R-4.4 (1" panels)

Maximum backloading
 See Warranty for details.

Maintenance
 Can be cleaned easily with a soft brush or vacuum.

Footnotes
 1. Dependent on location; see Sustainability selector.
 2. Custom-size panels available. Please contact your CGC sales representative for details.
 3. Stabilizer bars recommended for panels 5' and longer.
 4. LR values are shown as averages.
 5. For details, see Sustainability selector.



LOGIX Linear System with 30" x 60" HALCYON CLIMAPLUS Panels and CENTRICITEE DXT suspension

LEED Credits

MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
	●	●			●	●

Features and Benefits

- Pre-engineered systems that concentrate utilities on narrow bands running the length of a ceiling.
- LOGIX Linear positions bands between main tees. LOGIX Basic channels intersect main tees.
- Fiberglass field panels in a wide range of standard and large sizes; fiberglass or metal channel panels.
- Available with DX/DXL, CENTRICITEE DXT and FINELINE DXF suspension systems.

Applications

- Offices
- Entertainment
- Gaming
- Hospitality
- Transportation terminals

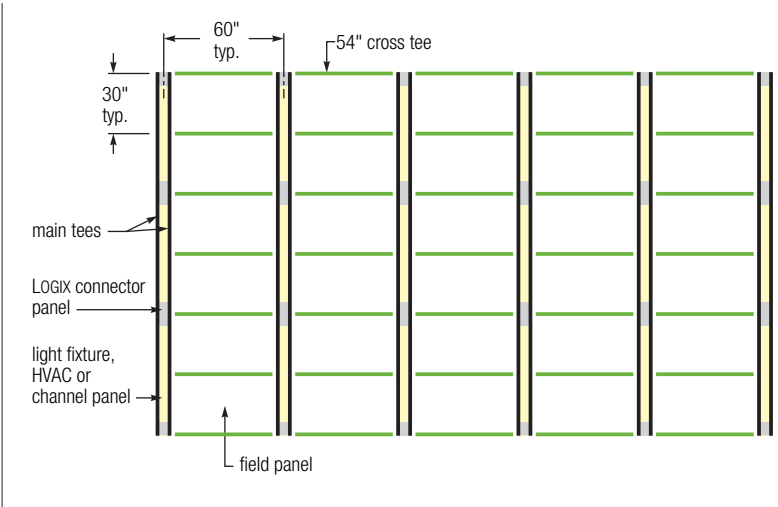


HALCYON CLIMAPLUS Field Panel

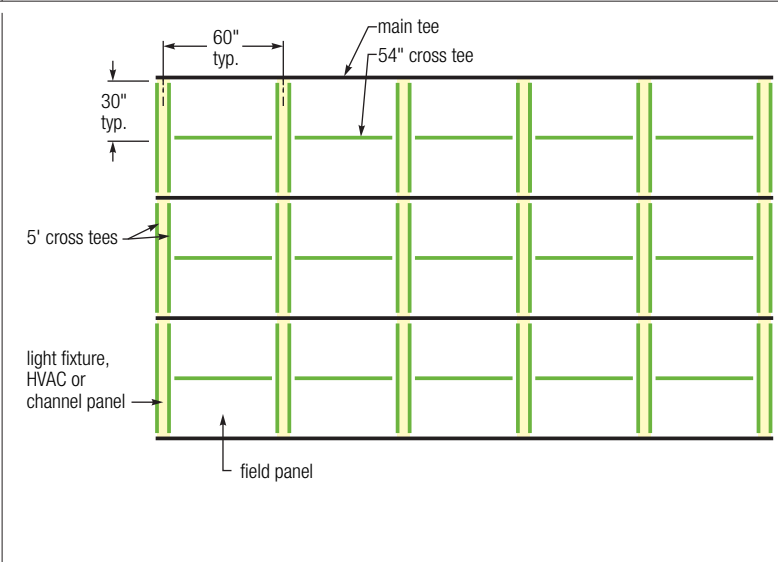


White

**Logix Linear—
 Channels
 Uninterrupted
 by Main Tees**



**Logix Basic—
 Channels
 Intersect
 Main Tees**



**Physical Data/
 Footnotes**

Product literature
 Data sheet# EAC_A356

Footnotes
 1. Dependent on location; see
 Sustainability selector or contact
 your CGC representative.



MARS Panels with *CLIMAPLUS* Superior Performance/
DONN DX/DXL Suspension System

LEED Credits

Recycled Content: 76%
CLIMAPLUS Superior Performance for Mould/Mildew

MR				EQ		
Waste Reduction ¹	Recycled Content	Regional Materials ²	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●	●	●	●	●

Features and Benefits

- Fine, monolithic texture.
- High light reflectance (LR .89).
- Excellent noise reduction (NRC .70).
- Durable, scratch-resistant, cleanable surface.
- Low maintenance panels look like new for years to come.
- *CLIMAPLUS* 30-year lifetime system warranty to withstand conditions up to 104 °F (40 °C)/ 95% relative humidity without visible sag when used with a *DONN*® brand suspension system.

Applications

- Open-plan offices
- Corridors
- Department stores
- Offices with indirect lighting
- Reception areas and lobbies

Substrate

- X-Technology mineral fiber



Fine-textured panel



White






Web Sites:
 www.cgcinc.com
 www.usgdesignstudio.com
 www.sustainableceilings.com
 www.seismicceilings.com

Customer Service
 Ontario/Atlantic Canada 800-387-2690
 Quebec/Eastern Ontario 800-361-1310
 Western Canada 800-242-4418

30

Year System Warranty
 - No visible sag
 - Mould/mildew protection

MARS CLIMAPLUS Panels

UL Classified													
Edge	Panel Size	Class	Item No.	NRC	CAC Min. ³	LR ⁴	Colour	Grid Options	VOC Emissions	Anti-Mould & Mildew	Recycled Content ⁵	Panel Cost	
 SQ  SLT  FLB	2' x2' x3/4"	Class A	86185	.70	35	.89	White	A, B, C, I	Low		76%	\$\$	
	2' x4' x3/4"	Class A	88185	.70	35	.89	White	A, B	Low		76%	\$\$	
	*20'x60'x3/4"	Class A	86160	.70	35	.89	White	A, B	Low		76%	\$\$	
	2' x2' x3/4"	Class A	86785	.70	35	.89	White	D	Low		76%	\$\$	
	2' x4' x3/4"	Class A	88785	.70	35	.89	White	D	Low		76%	\$\$	
	2' x2' x3/4"	Class A	86985	.70	35	.89	White	E, F, G, H	Low		76%	\$\$	
	2' x4' x3/4"	Class A	88985	.70	35	.89	White	E, F, G, H	Low		76%	\$\$	
	30'x30'x3/4"	Class A	86830	.70	35	.89	White	E, F, G, H	Low		76%	\$\$	

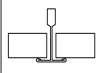


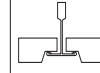





Legend *may be subject to minimum quantities

 Low Emissions (VOC Class)

Classified as low-emitting per standards established by the Collaborative for High-Performance Schools (CHPS), following California Specification 01350 testing methods.

 CLIMAPLUS Superior Performance⁶

Contains a broad-spectrum antimicrobial treatment on the face and back of the panel that provides guaranteed resistance against the growth of mould/mildew.

A	B	C	D	E	F	G	H	I
DX®/DXL™	DXW™	CENTRICITEE™ DXT	DX/DXL	CENTRICITEE DXT	FINELINE® DXF	FINELINE® 1/8 DXFF	MERIDIAN™ DXM	MERIDIAN™ DXM
								

Grid Profile Options

Physical Data/
Footnotes

Product literature
 Data sheet# EAC_A356
ASTM E1264 classification
 Type IV, Form 1 and 2, Pattern E, G
ASTM E84 surface burning characteristics
 Class A
 Flame spread: 25
 Smoke developed: 50
Weight
 .96-1.05 lb./sq. ft.
Thermal resistance
 R-2.2
Maximum backloading
 See Warranty for details.

Maintenance
 Can be cleaned easily with a soft brush or vacuum.
Scrubability
 Using the Gardner Scrubbability Test, 150 scrub cycles without surface break (ASTM D2486).
Water resistance
 Absorption of 1,660 gm/m² per Cobb test (T 441 om-84)
Patented technology
 This product's unique combination of sag resistance and sound performance results from a technology covered by U.S. Patent No. 5,250,153.

Footnotes
 1. Applies when CGC acoustical ceilings recycling program is utilized.
 2. Dependent on location; see Sustainability selector.
 3. Adding sound masking can be as effective as using a ceiling panel with a higher CAC rating, providing increased privacy between enclosed office spaces.
 4. LR values are shown as averages.
 5. For details, see Sustainability selector.

6. Panel face and back surfaces treated with a patented, broad-spectrum antimicrobial standard formulation that inhibits and retards the growth of mould/mildew.

Mars™ *ClimaPlus*™ High-NRC



MARS High-NRC Panels with *CLIMAPLUS* Superior Performance/
DONN DX/DXL Suspension System

LEED Credits

Recycled Content: 77%
CLIMAPLUS Superior Performance for Mould/Mildew

MR				EQ		
Waste Reduction ¹	Recycled Content	Regional Materials ²	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●	●	●	●	●

Features and Benefits

- Excellent noise reduction (NRC .80).
- Fine, monolithic texture.
- High light reflectance (LR .89).
- Durable, scratch-resistant, cleanable surface.
- Low maintenance panels look like new for years to come.
- *CLIMAPLUS* 30-year lifetime system warranty to withstand conditions up to 104 °F (40 °C)/ 95% relative humidity without visible sag when used with a DONN® brand suspension system.

Applications

- Open-plan offices
- Corridors
- Department stores
- Offices with indirect lighting
- Reception areas and lobbies

Substrate

- X-Technology mineral fiber



Fine-textured panel



White

Web Sites:
www.cgcinc.com
www.usgdesignstudio.com
www.sustainableceilings.com
www.seismicceilings.com

Customer Service
 Ontario/Atlantic Canada 800-387-2690
 Quebec/Eastern Ontario 800-361-1310
 Western Canada 800-242-4418

30

Year System Warranty
 – No visible sag
 – Mould/mildew protection

MARS CLIMAPLUS
 High-NRC Panels

UL Classified													
Edge	Panel Size	Class	Item No.	NRC	CAC Min. ³	LR ⁴	Colour	Grid Options	VOC Emissions	Anti-Mould & Mildew	Recycled Content ⁵	Panel Cost	
MARS CLIMAPLUS High-NRC Panels	SQ 	2' x2' x7/8"	Class A	86100	.80	35	.89	White	A, B, C, I	Low		77%	\$\$
		2' x4' x7/8"	Class A	86300	.80	35	.89	White	A, B	Low		77%	\$\$
	SLT 	2' x2' x7/8"	Class A	87200	.80	35	.89	White	D	Low		77%	\$\$
		2' x4' x7/8"	Class A	89600	.80	35	.89	White	D	Low		77%	\$\$
		30" x30" x7/8"	Class A	86500	.80	35	.89	White	D	Low		77%	\$\$
	FLB 	2' x2' x7/8"	Class A	87100	.80	35	.89	White	E, F, G, H	Low		77%	\$\$
		2' x4' x7/8"	Class A	89500	.80	35	.89	White	E, F, G, H	Low		77%	\$\$
		30" x30" x7/8"	Class A	86400	.80	35	.89	White	E, F, G, H	Low		77%	\$\$

Legend

Low Emissions (VOC Class)
 Classified as low-emitting per standards established by the Collaborative for High-Performance Schools (CHPS), following California Specification 01350 testing methods.

CLIMAPLUS Superior Performance⁶
 Contains a broad-spectrum antimicrobial treatment on the face and back of the panel that provides guaranteed resistance against the growth of mould/mildew.

Grid Profile Options	A DX®/DXL™	B DXW™	C CENTRICITEE™ DXT	D DX/DXL	E CENTRICITEE™ DXT	F FINELINE® DXF	G FINELINE® 1/8 DXFF	H MERIDIAN™ DXM	I MERIDIAN™ DXM

Physical Data/
 Footnotes

Product literature
 Data sheet# EAC_A359

ASTM E1264 classification
 Type IV, Form 1 and 2, Pattern E, G

ASTM E84 surface burning characteristics
 Class A
 Flame spread: 25
 Smoke developed: 50

Weight
 .96-1.05 lb./sq. ft.

Thermal resistance
 R-2.2

Maximum backloading
 See Warranty for details.

Maintenance
 Can be cleaned easily with a soft brush or vacuum.

Scrubability
 Using the Gardner Scrubbability Test, 150 scrub cycles without surface break (ASTM D2486).

Edge damage resistance
 Weight loss not to exceed 25-35% using the Friability Tests per ASTM C367. Panel edge should withstand compression of a 1/4" blunt pin for at least 100 lbs. per square inch. Independently verified performance test results available upon request.

Water resistance
 Absorption of 1,660 gm/m² per Cobb test (T 441 om-84)

Patented technology
 This product's unique combination of sag resistance and sound performance results from a technology covered by U.S. Patent No. 5,250,153.

Footnotes
 1. Applies when CGC acoustical ceilings recycling program is utilized.
 2. Dependent on location; see Sustainability selector.
 3. Adding sound masking can be as effective as using a ceiling panel with a higher CAC rating, providing increased privacy between enclosed office spaces.

4. LR values are shown as averages.
 5. For details, see Sustainability selector.
 6. Panel face and back surfaces treated with a patented, broad-spectrum antimicrobial standard formulation that inhibits and retards the growth of mould/mildew.



MILLENNIA Panels with *CLIMAPLUS* Superior Performance/
DONN DX/DXL Suspension System

LEED Credits

Recycled Content: 75%
CLIMAPLUS Superior Performance for Mould/Mildew

MR				EQ		
Waste Reduction ¹	Recycled Content	Regional Materials ²	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●	●	●	●	●

Features and Benefits

- Market’s fastest-installing fine-textured ceiling is an economical alternative to face-laminated panels.
- NRC meets general office acoustical needs for sound absorption.
- *CLIMAPLUS* 30-year lifetime system warranty to withstand conditions up to 104 °F (40 °C)/ 95% relative humidity without visible sag when used with a *DONN*® brand suspension system.

Applications

- Retail stores
- Hospitality
- Office and conference areas
- Transportation terminals

Substrate

- X-Technology mineral fiber



Fine-textured panel



White

30
 Year System Warranty
 – No visible sag
 – Mould/mildew protection

UL Classified													
Edge	Panel Size	Class	Item No.	NRC	CAC Min. ³	LR ⁴	Colour	Grid Options	VOC Emissions	Anti-Mould & Mildew	Recycled Content ⁵	Panel Cost	
MILLENNIA CLIMAPlus Panels	SQ	2' x2' x3/4"	Class A	76505	.70	35	.85	White	A, B, C, K	Low		75%	\$\$
		2' x4' x3/4"	Class A	78505	.70	35	.85	White	A, B	Low		75%	\$\$
	SLT	2' x2' x3/4"	Class A	76705	.70	35	.85	White	D	Low		75%	\$\$
		2' x4' x3/4"	Class A	78705	.70	35	.85	White	D	Low		75%	\$\$
	FLB	2' x2' x3/4"	Class A	76907	.70	35	.85	White	E, F, G, J	Low		75%	\$\$
		2' x4' x3/4"	Class A	76901	.70	35	.85	White	E, F, G, J	Low		75%	\$\$
MILLENNIA CLIMAPlus Tile^{6,7}	BESK	12" x12" x3/4"	Class A	70003	.60	40	.85	White	H	Low		75%	\$\$\$\$
MILLENNIA CLIMAPlus Illusion Two/24 Panels The look of 2' x2' panels	SLT ⁸	2' x4' x3/4"	Class A	78780	.70	35	.85	White	D	Low		75%	\$\$
	ILT ⁹	2' x4' x3/4"	Class A	78080	.70	35	.85	White	I	Low		75%	\$\$
Illusion Two/24													
Patterns													
Legend													
Low Emissions (VOC Class) Classified as low-emitting per standards established by the Collaborative for High-Performance Schools (CHPS), following California Specification 01350 testing methods.				CLIMAPlus Superior Performance¹⁰ Contains a broad-spectrum antimicrobial treatment on the face and back of the panel that provides guaranteed resistance against the growth of mould/mildew.									
A DX®/DXL™	B DXW™	C CENTRICITEE™ DXT	D DX/DXL	E CENTRICITEE DXT	F FINELINE® DXF	G FINELINE® 1/8 DXFF	H DX®/DXL™ Concealed	I CENTRICITEE DXT	J MERIDIAN™ DXM	K MERIDIAN™ DXM			
Grid Profile Options													

Physical Data/ Footnotes

Product literature
 Data sheet# EAC_A360

ASTM E1264 classification
 Type III, Form 1, Pattern E, G

ASTM E84 surface burning characteristics
 Class A
 Flame spread: 25
 Smoke developed: 50

Weight
 1.02-1.05 lb./sq. ft. (panels and tile)

Thermal resistance
 R-2.0

Maximum backloading
 See Warranty for details.

Maintenance
 Can be cleaned easily with a soft brush or vacuum.

Patented technology
 This product's unique combination of sag resistance and sound performance results from a technology covered by U.S. Patent No. 5,250,153.

Footnotes

- Applies when CGC acoustical ceilings recycling program is utilized.
- Dependent on location; see Sustainability selector.
- Adding sound masking can be as effective as using a ceiling panel with a higher CAC rating, providing increased privacy between enclosed office spaces.
- LR values are shown as averages.
- For details, see Sustainability selector.
- Contact CGC for adhesive recommendations for 12" x12" glue-up applications.

- Not UL Classified for acoustics.
- Panels have a 15/16" routing.
- Panels have a 9/16" routing.
- Panel face and back surfaces treated with a patented, broad-spectrum antimicrobial standard formulation that inhibits and retards the growth of mould/mildew.

Millennia™ *ClimaPlus*™ High-NRC



MILLENNIA High-NRC Panels with *CLIMAPLUS* Superior Performance/
DONN FINELINE DXF Suspension System

LEED Credits

Recycled Content: 75%
CLIMAPLUS Superior Performance for Mould/Mildew

MR				EQ		
Waste Reduction ¹	Recycled Content	Regional Materials ²	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●	●	●	●	●

Features and Benefits

- High NRC value without mechanical perforations.
- NRC of .75 meets the demanding sound control needs of open-plan offices.
- Market's fastest-installing fine-textured ceiling is an economical alternative to face-laminated panels.
- *CLIMAPLUS* 30-year lifetime system warranty to withstand conditions up to 104 °F (40 °C)/95% relative humidity without visible sag when used with a DONN® brand suspension system.

Applications

- Libraries
- Open-plan offices
- Reception and lobby areas
- Legal
- Financial institutions

Substrate

- X-Technology mineral fiber



Fine-textured panel



White

30

Year System Warranty
 – No visible sag
 – Mould/mildew protection

MILLENNIA
 CLIMAPLUS
 High-NRC
 Panels

UL Classified													
Edge	Panel Size	Class	Item No.	NRC	CAC Min. ³	LR ⁴	Colour	Grid Options	VOC Emissions	Anti-Mould & Mildew	Recycled Content ⁵	Panel Cost	
SLT	2' x2' x3/4"	Class A	76201	.75	30	.87	White	A	Low		75%	\$\$	
FLB	2' x2' x3/4"	Class A	76302	.75	30	.87	White	B, C, D, E	Low		75%	\$\$	

Legend

Low Emissions (VOC Class)

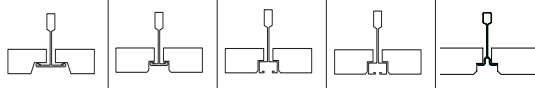
Classified as low-emitting per standards established by the Collaborative for High-Performance Schools (CHPS), following California Specification 01350 testing methods.

CLIMAPLUS Superior Performance⁶

Contains a broad-spectrum antimicrobial treatment on the face and back of the panel that provides guaranteed resistance against the growth of mould/mildew.

A	B	C	D	E
DX®/DXL™	CENTRICITEE™ DXT	FINELINE® DXF	FINELINE® 1/8 DXFF	MERIDIAN™ DXM

Grid Profile Options



Physical Data/
Footnotes

Product literature

Data sheet# EAC_A361

ASTM E1264 classification
Type III, Form 1, Pattern E, G

ASTM E84 surface burning
characteristics

Class A
Flame spread: 25
Smoke developed: 50

Weight
1.06-1.09 lb./sq. ft.

Thermal resistance

R-2.0

Maximum backloading
See Warranty for details.

Maintenance

Can be cleaned easily with a soft brush or vacuum.

Patented technology

This product's unique combination of sag resistance and sound performance results from a technology covered by U.S. Patent No. 5,250,153.

Footnotes

1. Applies when CGC acoustical ceilings recycling program is utilized.
2. Dependent on location; see Sustainability selector.
3. Adding sound masking can be as effective as using a ceiling panel with a higher CAC rating, providing increased privacy between enclosed office spaces.
4. LR values are shown as averages.
5. For details, see Sustainability selector.

6. Panel face and back surfaces treated with a patented, broad-spectrum antimicrobial standard formulation that inhibits and retards the growth of mould/mildew.



OLYMPIA MICRO Panels with *CLIMAPLUS* Superior Performance/
DONN FINELINE DXF Suspension System

LEED Credits

Recycled Content: 52%
CLIMAPLUS Superior Performance for Mould/Mildew

MR				EQ		
Waste Reduction ¹	Recycled Content	Regional Materials ²	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●	●	●	●	●

Features and Benefits

- Nondirectional pattern reduces installation time and waste.
- Economical, fine-textured panel.
- Excellent light reflectance enhances indirect lighting of a space.
- *CLIMAPLUS* 30-year lifetime system warranty to withstand conditions up to 104 °F (40 °C)/95% relative humidity without visible sag when used with a *DONN*® brand suspension system.

Applications

- Classrooms
- Hotels
- Reception and lobby areas
- Restaurants
- Retail stores

Substrate

- Water-felted mineral fiber



Fine-textured panel



White

30
 Year System Warranty
 – No visible sag
 – Mould/mildew protection

UL Classified

Edge	Panel Size	Class	Item No.	NRC	CAC Min.	LR ²	Colour	Grid Options	VOC Emissions	Anti-Mould & Mildew	Recycled Content ⁴	Panel Cost	
OLYMPIA MICRO CLIMAPlus Panels .50 NRC	SQ 	2'x2'x5/8"	Class A	4211	.50	30	.87	White	A, B, C	Low		52%	\$\$
		2'x4'x5/8"	Class A	4411	.50	30	.87	White	A, B	Low		52%	\$\$
		*20'x60'x5/8"	Class A	4746	.50	30	.87	White	A, B	Low		52%	\$\$
		*2'x5'x5/8"	Class A	4775	.50	30	.87	White	A, B	Low		52%	\$\$
		2'x4'x5/8"	Class A	4411	.50	30	.87	White	A, B	Low		52%	\$\$
	SLT 	2'x2'x5/8"	Class A	4221	.50	35	.87	White	D	Low		52%	\$\$
		2'x4'x5/8"	Class A	4421	.50	35	.87	White	D	Low		52%	\$\$
	FLB 	2'x2'x5/8"	Class A	4231	.50	35	.87	White	E, F, G, I	Low		52%	\$\$
		2'x4'x5/8"	Class A	4431	.50	35	.87	White	E, F, G, I	Low		52%	\$\$
	OLYMPIA MICRO CLIMAPlus Panels .60 NRC	SQ 	2'x2'x3/4"	Class A	4750	.60	33	.87	White	A, B, C	Low		56%
2'x4'x3/4"			Class A	4751	.60	33	.87	White	A, B	Low		56%	\$\$
SLT 		2'x2'x3/4"	Class A	4752	.60	35	.87	White	D	Low		56%	\$\$
		2'x4'x3/4"	Class A	4753	.60	35	.87	White	D	Low		56%	\$\$
FLB 		2'x2'x3/4"	Class A	4754	.60	35	.87	White	E, F, G	Low		56%	\$\$
		2'x4'x3/4"	Class A	4755	.60	35	.87	White	E, F, G	Low		56%	\$\$
OLYMPIA MICRO CLIMAPlus Illusion Two/24 Panels The look of 2'x2' panels	SLT ⁵ 	2'x4'x3/4"	Class A	4742	.50	35	.87	White	D	Low		52%	\$\$
	ILT ⁶ 	2'x4'x3/4"	Class A	4744	.50	35	.87	White	E, H	Low		52%	\$\$

Illusion Two/24

Patterns



Legend *may be subject to minimum quantities

Low Emissions (VOC Class)

Classified as low-emitting per standards established by the Collaborative for High-Performance Schools (CHPS), following California Specification 01350 testing methods.

CLIMAPlus Superior Performance⁷

Contains a broad-spectrum antimicrobial treatment on the face and back of the panel that provides guaranteed resistance against the growth of mould/mildew.

A	B	C	D	E	F	G	H	I
DX [®] /DXL™ ZXLA™	DXW™	CENTRICITEE™ DXT	DX/DXL	CENTRICITEE DXT	FINELINE [®] DXF	FINELINE [®] 1/8 DXFF	CENTRICITEE DXT	MERIDIAN™ DXM

Grid Profile Options

Physical Data/ Footnotes

Product literature
 Data sheet# EAC_A362
ASTM E1264 classification
 Type III, Form 2, Pattern CE
ASTM E84 and CAN/ULC S102 surface burning characteristics
 Class A
 Flame spread: 25
 Smoke developed: 50

Weight
 .78-1.03 lb./sq. ft.
Thermal resistance
 R-1.4 (5/8" panels)
 R-1.7 (3/4" panels)
Maximum backloading
 See Warranty for details.
Maintenance
 Can be cleaned easily with a soft brush or vacuum.

Footnotes
 1. Applies when CGC acoustical ceilings recycling program is utilized.
 2. Dependent on location; see Sustainability selector.
 3. LR values are shown as averages.
 4. For details, see Sustainability selector.
 5. Panels have 15/16" routing.
 6. Panels have 9/16" routing.
 7. Panel face and back surfaces treated with a patented, broad-spectrum antimicrobial standard

formulation that inhibits and retards the growth of mould/mildew.



PEBBLED Panels with *CLIMAPLUS* Superior Performance/
DONN DX/DXL Suspension System

LEED Credits

Recycled Content: 34%
CLIMAPLUS Superior Performance for Mould/Mildew

MR				EQ		
Waste Reduction ¹	Recycled Content	Regional Materials ²	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●	●	●	●	●

Features and Benefits

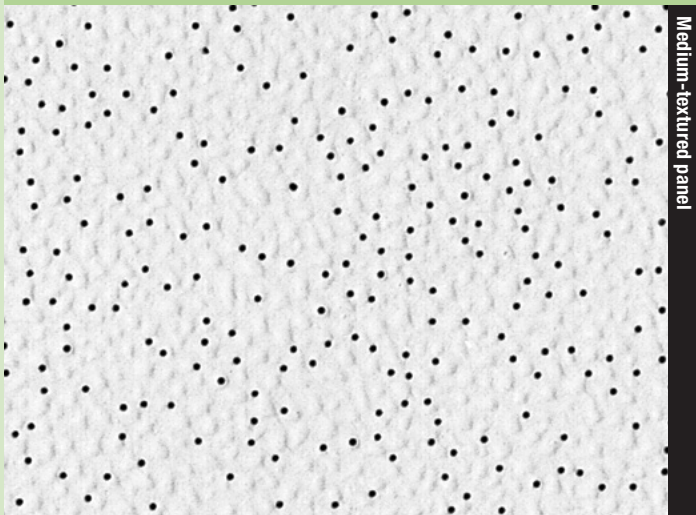
- Economical, medium-textured ceiling panel has upscale appearance.
- *CLIMAPLUS* 30-year lifetime system warranty to withstand conditions up to 104 °F (40 °C)/95% relative humidity without visible sag when used with a DONN® brand suspension system.

Applications

- Schools
- Corridors
- General offices
- Retail stores

Substrate

- Water-felted mineral fiber



White

30
 Year System Warranty
 – No visible sag
 – Mould/mildew protection

PEBBLED
CLIMAPLUS Panels

UL Classified													
Edge	Panel Size	Class	Item No.	NRC	CAC Min.	LR ²	Colour	Grid Options	VOC Emissions	Anti-Mould & Mildew	Recycled Content ⁴	Panel Cost	
SQ	2'x2'x5/8"	Class A	4801	.55	35	.86	White	A, B, C	Low		34%	\$	
	2'x4'x5/8"	Class A	4800	.55	35	.86	White	A, B	Low		34%	\$	
	* 2'x2'x5/8"		4851	.55	35	.86	White	A, B	Low		34%	\$	
	* 2'x4'x5/8"		4850	.55	35	.86	White	A, B	Low		34%	\$	
	20"x60"x5/8"	Class A	4802	.55	35	.86	White	A, B	Low		34%	\$	
	2'x5'x5/8"	Class A	4803	.55	35	.86	White	A, B	Low		34%	\$	
	30"x60"x3/4"	Class A	4899	.55	35	.86	White	A, B	Low		34%	\$	
SLT	2'x2'x5/8"	Class A	4805	.55	35	.86	White	D	Low		34%	\$	
FLB	2'x2'x5/8"	Class A	4867	.55	35	.86	White	E, F, G, H	Low		34%	\$	

Legend *may be subject to minimum quantities

Low Emissions (VOC Class)

Classified as low-emitting per standards established by the Collaborative for High-Performance Schools (CHPS), following California Specification 01350 testing methods.

CLIMAPLUS Superior Performance⁵

Contains a broad-spectrum antimicrobial treatment on the face and back of the panel that provides guaranteed resistance against the growth of mould/mildew.

A	B	C	D	E	F	G	H
DX®/DXL™	DXW™	CENTRICITEE™ DXT	DX/DXL	CENTRICITEE DXT	FINELINE® DXF	FINELINE® 1/8 DXFF	MERIDIAN™ DXM

Grid Profile Options

Physical Data/ Footnotes

Product literature

Data sheet# EAC_A363

ASTM E1264 classification
 Type III, Form 2, Pattern CE

ASTM E84 and CAN/ULC S102 surface burning characteristics
 Class A

Flame spread: 25
 Smoke developed: 50

Weight
 .70-.79 lb./sq. ft.
 1.2 lb./sq. ft. (FIRECODE)

Thermal resistance

R-1.4

Maximum backloading
 See Warranty for details.

Maintenance
 Can be cleaned easily with a soft brush or vacuum.

Footnotes

1. Applies when CGC acoustical ceilings recycling program is utilized.
2. Dependent on location; see Sustainability selector.
3. LR values are shown as averages.
4. For details, see Sustainability selector.
5. Panel face and back surfaces treated with a patented, broad-spectrum antimicrobial standard formulation that inhibits and retards the growth of mould/mildew.



PREMIER HI-LITE Twill Panels with *CLIMAPLUS* Performance/
DONN DX/DXL Suspension System

LEED Credits

Recycled Content: 31%
CLIMAPLUS No-Sag Warranty

MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
	●	●			●	●

Features and Benefits

- Washable vinyl face for easy maintenance.
- Excellent noise reduction with NRC of .60 or .75 for greater sound control in open-plan spaces.
- *CLIMAPLUS*™ 30-year system warranty to withstand conditions up to 104 °F (40 °C)/95% relative humidity without visible sag when used with a *DONN*® brand suspension system.
- Lightweight fiberglass basemat makes installation fast and easy.

Applications

- Discount stores
- Grocery stores
- Mass merchandisers
- Retail stores

Substrate

- Fiberglass



Medium-textured panel, Kapok perforated and unperforated



Medium-textured panel, Twill perforated and unperforated



Medium-textured panel, Stipple perforated and unperforated



White



Flat Black 205

30
 Year System Warranty
 – No visible sag
 – Mould/mildew protection

	Edge	Panel Size	Class	Item No.	UL Classified			Colour ³	Grid Options	Anti-Mould & Mildew	Recycled Content ⁴	Panel Cost
					NRC	CAC Min.	LR ²					
PREMIER HI-LITE CLIMAPlus Twill Panels	SQ 	2' x2' x5/8" Perforated	Class A	7050G	.75	20	.76	White	A, B, C, D		31%	\$
		2' x2' x5/8" Unperforated	Class A	7052G	.60	20	.76	White	A, B, C, D		31%	\$
		2' x4' x5/8" Perforated	Class A	7051G	.75	20	.76	White	A, B, C, D		31%	\$
		2' x4' x5/8" Unperforated	Class A	7053G	.60	20	.76	White	A, B, C, D		31%	\$
PREMIER HI-LITE CLIMAPlus Kapok Panels	SQ 	2' x2' x5/8" Perforated	Class A	7054G	.75	20	.76	White and Black	A, B, C, D		31%	\$
		2' x2' x5/8" Unperforated	Class A	7056G	.60	20	.76	White and Black	A, B, C, D		31%	\$
		2' x4' x5/8" Perforated	Class A	7055G	.75	20	.76	White and Black	A, B, C, D		31%	\$
		2' x4' x5/8" Unperforated	Class A	7057G	.60	20	.76	White and Black	A, B, C, D		31%	\$
PREMIER HI-LITE CLIMAPlus Stipple Panels	SQ	2' x2' x5/8" Perforated	Class A	91050	.75	20	.76	White	A, B, C, D		31%	\$
		2' x2' x5/8" Unperforated	Class A	91054	.60	20	.76	White	A, B, C, D		31%	\$
		2' x4' x5/8" Perforated	Class A	91051	.75	20	.76	White	A, B, C, D		31%	\$
		2' x4' x5/8" Unperforated	Class A	91053	.60	20	.76	White	A, B, C, D		31%	\$

Legend
 CLIMAPlus Inherent Performance⁵
 Fiberglass substrate is inherently resistant to the growth of mould and mildew.

A	B	C	D
DX®/DXL™	DXW™	ZXL™	AX™

Grid Profile Options

Physical Data/ Footnotes

Product literature
 Data sheet:
ASTM E1264 classification
 Type XII, Form 1, Pattern CE (Perforated), Pattern E (Unperforated)
ASTM E84 surface burning characteristics
 Class A
 Flame spread: 25
 Smoke developed: 50

Weight
 .19-.33 lb./sq. ft.

Thermal resistance
 R-2.7

Maximum backloading
 See Warranty for details.

Maintenance
 Can be cleaned easily with a damp sponge.

Footnotes
 1. Dependent on location; see Sustainability selector.
 2. LR values are shown as averages.
 3. See Colours selector for more information.
 4. For details, see Sustainability selector.
 5. For details, see *Ceiling Systems Warranties and Limitations* and *CLIMAPlus Ceilings Certification of Performance*.



PREMIER NUBBY Panels with *CLIMAPLUS* Performance/
DONN CENTRICITEE DXT Suspension System

LEED Credits

Recycled Content: 29% – 32%
CLIMAPLUS No-Sag Warranty

MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
	●	●			●	●

Features and Benefits

- High-quality nubby cloth facing offers consistent, fine-textured appearance.
- Excellent noise reduction with NRC of .85 or .90 meets the demanding sound control needs of open-plan spaces.
- *CLIMAPLUS*™ 30-year system warranty to withstand conditions up to 104 °F (40 °C)/95% relative humidity without visible sag when used with a DONN® brand suspension system.
- Lightweight fiberglass basemat makes installation fast and easy.

Applications

- Conference rooms and executive areas
- Gymnasiums and auditoriums
- Open office plans
- Retail stores

Substrate

- Fiberglass



Fine-textured panel



White

Web Sites:
 www.cgcinc.com
 www.usgdesignstudio.com
 www.sustainableceilings.com
 www.seismicceilings.com

Customer Service
 Ontario/Atlantic Canada 800-387-2690
 Quebec/Eastern Ontario 800-361-1310
 Western Canada 800-242-4418

Acoustical Ceilings

Fiberglass

30
 Year System Warranty
 – No visible sag
 – Mould/mildew protection

	Edge	Panel Size	Class	Item No.	UL Classified			Colour	Grid Options	Anti-Mould & Mildew	Recycled Content ²	Panel Cost			
					NRC	CAC Min.	LR ²								
PREMIER NUBBY CLIMAPlus Panels	SQ 	2' x2' x3/4"	Class A	7000G	.85 	—	.87	White	A, B		29%	\$\$\$			
		2' x2' x1"	Class A	7002G	.90 	—	.87	White	A, B		32%	\$\$\$			
		2' x2' x1" Foil-Back	Class A	7012G	.90 	25	.87	White	A, B		32%	\$\$\$			
		2' x4' x1"	Class A	7003G	.90 	—	.87	White	A, B		32%	\$\$\$			
		2' x4' x1" Foil-Back	Class A	7013G	.90 	25	.87	White	A, B		32%	\$\$\$			
Legend															
CLIMAPlus Inherent Performance ⁴ Fiberglass substrate is inherently resistant to the growth of mould and mildew.															
<table border="1"> <tr> <td>A DX®/DXL™</td> <td>B DXW™</td> <td></td> </tr> </table>													A DX®/DXL™	B DXW™	
A DX®/DXL™	B DXW™														
Grid Profile Options															

Physical Data/ Footnotes

Product literature
 Data sheet: EAC_A379
ASTM E1264 classification
 Type XII, Form 2, Pattern E
ASTM E84 surface burning characteristics
 Class A
 Flame spread: 25
 Smoke developed: 50
Weight
 .38-.50 lb./sq. ft.

Minimum AC
 170 for item #7003G.
 190 for item #7013G.
Thermal resistance
 R-3.3 (3/4" panels)
 R-4.4 (1" panels)
Maximum backloading
 See Warranty for details.
Maintenance
 Can be cleaned easily with a soft brush or vacuum.

Footnotes
 1. Dependent on location; see Sustainability selector.
 2. LR values are shown as averages.
 3. For details, see Sustainability selector.
 4. For details, see *Ceiling Systems Warranties and Limitations and CLIMAPlus Ceilings Certification of Performance.*



RADAR Panels/
DOWN DX/DXL Suspension System

LEED Credits
Recycled Content: 25% – 50%

MR			EQ			
Waste Reduction ¹	Recycled Content	Regional Materials ²	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●	●	●	●	●

Features and Benefits

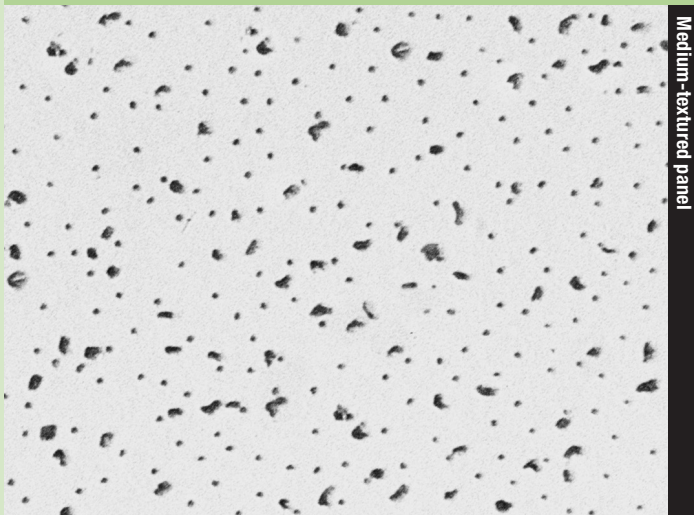
- Non-directional pattern with a fresh, clean appearance offers fast, efficient installation.
- Economical, all-purpose ceiling pattern offered in many sizes.
- Optional FIRECODE™ formulation designed to meet life safety codes.

Applications

- Schools
- Corridors
- Offices
- Retail stores

Substrate

- Water-felted mineral fiber



Medium-textured panel



White

UL Classified															
Edge	Panel Size Imperial Metric (mm)	Class ³	Item No. Imperial Metric	NRC	CAC Min.	LR ⁴	Colour	Grid Options	VOC Emissions	Recycled Content ⁵	Panel Cost				
RADAR Panels	SQ 	2'x2'x5/8"	Class A	2110 ME2110	.55	33	.85	White	A, B, C, J	Low	25%	\$			
		600 x 600 x 15		2115	.55	35	.85	White	A	Low	48-50%	\$			
		2'x4'x5/8"	Class A	2310 ME2310	.55	35	.85	White	A, B	Low	25%	\$			
		600x1200x15		2315	.55	35	.85	White	A	Low	48-50%	\$			
		2'x4'x5/8"	Class A	2619	.55	35	.85	White	A, B	Low	25%	\$			
		2'x5'x5/8"	Class A	2617 ME2617	.55	35	.85	White	A, B	Low	25%	\$			
		20"x60"x5/8"	Class A	2617	.55	35	.85	White	A, B	Low	25%	\$			
		500x1500x15		2311	.60	35	.85	White	A, B	Low	25%	\$			
	2'x4'x3/4"	Class A	2618	.60	35	.85	White	A, B	Low	25%	\$				
	30"x60"x3/4"	Class A	2120 ME2120	.55	33	.85	White	D	Low	25%	\$				
	SLT 	2'x2'x5/8"	Class A	2120	.55	33	.85	White	D	Low	25%	\$			
		600x600x15		2125	.55	35	.85	White	D	Low	48-50%	\$			
		2'x2'x5/8"	Class A	2320	.55	35	.85	White	D	Low	25%	\$			
		2'x4'x5/8"	Class A	2627	.55	35	.85	White	D	Low	25%	\$			
* 20"x60"x5/8"		Class A	2121	.60	35	.85	White	D	Low	25%	\$				
FLB 	2'x2'x5/8"	Class A	2130	.55	33	.85	White	E, F, G, I	Low	25%	\$				
	2'x2'x5/8"	Class A	2135	.55	33	.85	White	E, F, G, I	Low	25%	\$				
RADAR Tile ^{6,7}	BESK 	12"x12"x5/8"	Class A	2990	.50	40	.85	White	H	Low	25%	\$\$\$			
		* 12"x12"x5/8"	Class A	2995	.50	40	.85	White	H	Low	25%	\$\$\$			
RADAR Illusion Two/24 Panel The look of 2'x2'panels	SLT	2'x4'x3/4"	Class A	2742	.55	35	.89	White	D	Low	25%	\$\$			
Illusion Two/24		Legend *may be subject to minimum quantities													
Pattern			Low Emissions (VOC Class) (CHPS), following California Specification 01350 testing methods. Classified as low-emitting per standards established by the Collaborative for High-Performance Schools												
Grid Profile Options															
Physical Data/ Footnotes	Product literature Data sheet# EAC_A364 ASTM E1264 classification Type III, Form 2, Pattern C, D, E ASTM E84 and CAN/ULC S102 surface burning characteristics Class A Flame spread: 25 Smoke developed: 50			Weight .61-1.15 lb./sq. ft. 1.16 lb./sq. ft. (FIRECODE) Thermal resistance R-1.4 (Class A, 5/8" panels and tile) R-1.7 (Class A, 3/4" panels) R-1.4 (Class A, 15 mm panels) R-1.6 (FIRECODE, 5/8" panels)			Maximum backloading See Warranty for details. Maintenance Can be cleaned easily with a soft brush or vacuum.			Footnotes 1. Applies when CGC acoustical ceilings recycling program is utilized. 2. Dependent on location; see Sustainability selector. 3. Fire-rated items: see UL design details. 4. LR values are shown as averages. 5. For details, see the Sustainability selector.			6. Contact CGC for adhesive recommendation for 12"x12" glue-up applications. 7. Not UL Classified for acoustics. 8. Maximum 2' x 2' for square panels.		



RADAR Panels with *CLIMAPLUS* Superior Performance/
DONN DX/DXL Suspension System

LEED Credits

Recycled Content: 28% – 50%
CLIMAPLUS Superior Performance for Mould/Mildew

MR				EQ		
Waste Reduction ¹	Recycled Content	Regional Materials ²	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●	●	●	●	●

Features and Benefits

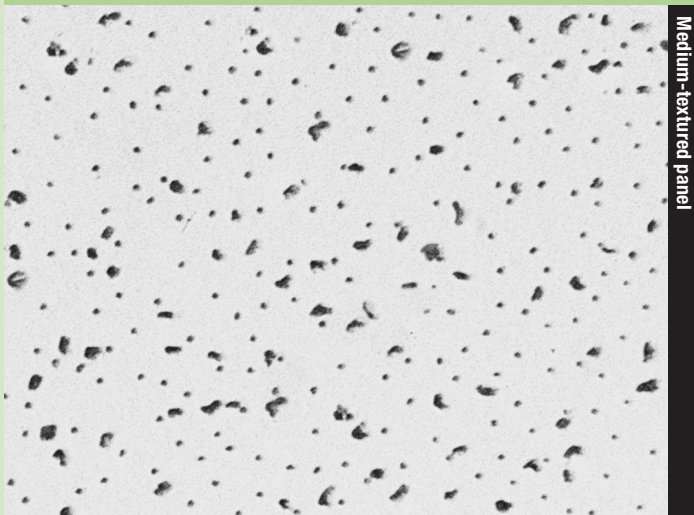
- Non-directional pattern.
- *CLIMAPLUS* 30-year lifetime system warranty to withstand conditions up to 104 °F (40 °C)/95% relative humidity without visible sag when used with a DONN® brand suspension system.
- Optional FIRECODE™ formulation.
- High-durability panels are 55% more durable than standard panels.

Applications

- Schools
- Corridors
- Lobby areas
- Offices
- Retail stores

Substrate

- Water-felted mineral fiber



Medium-textured panel

See individual items for colour availability.

Standard Colours

- White
- Parchment 103
- Manila 246
- Beige 142
- Straw 143
- Sandstone 090
- Taupe 107
- Charcoal 534
- Flat Black 205

30
 Year System Warranty
 – No visible sag
 – Mould/mildew protection

UL Classified													
Edge	Panel Size Imperial Metric (mm) ³	Class ⁴	Item No. Imperial Metric	NRC	CAC Min.	LR ⁵	Colour ⁶	Grid Options	VOC Emissions	Anti-Mould & Mildew	Abuse-Resistant	Recycled Content ⁷	Panel Cost
RADAR CLIMAPLUS Panels	SQ	Class A	2210	.55	33	.84	White Standard	A, B, J	Low	●	⊘	28 – 44%	\$
		Class A	2215	.55	35	.84	White	A	Low	●	⊘	48 – 50%	\$
		Class A	2410	.55	35	.84	White Standard	A	Low	●	⊘	28 – 44%	\$
		Class A	2415	.55	35	.84	White Flat Black Charcoal	A	Low	●	⊘	48 – 50%	\$
		Class A	2410P ⁸	.55	35	.85	White	A, B	Low	●	⊘	25%	\$
		Class A	2008	.55	35	.84	White	A, B	Low	●	⊘	28 – 44%	\$\$
	SLT	Class A	2220	.55	33	.84	White Standard	C	Low	●	⊘	28 – 44%	\$
		Class A	2225	.55	35	.84	White	C	Low	●	⊘	48 – 50%	\$
		Class A	2420	.55	35	.84	White	C	Low	●	⊘	28 – 44%	\$
		Class A	2425	.55	35	.84	White	C	Low	●	⊘	48 – 50%	\$
		Class A	2230	.55	33	.84	White	D, F, G, I, H	Low	●	⊘	28 – 44%	\$
		Class A	2235	.55	35	.84	White	D, F, G, H, I	Low	●	⊘	48 – 50%	\$
RADAR CLIMAPLUS High-Durability Panels	SQ	Class A	2207	.55	35	.84	White	A, B	Low	●	⊘	28 – 44%	\$
		Class A	2407	.55	35	.84	White	A, B	Low	●	⊘	28 – 44%	\$
	SLT	Class A	2227	.55	35	.84	White	C	Low	●	⊘	28 – 44%	\$
RADAR CLIMAPLUS Tile	SF ⁹	Class A	2570	.45 ¹⁰	35	.84	White	Adhesive Staple	Low	●	⊘	28 – 44%	\$\$\$

Legend

Low Emissions (VOC Class)

Classified as low-emitting per standards established by the Collaborative for High-Performance Schools (CHPS), following California Specification 01350 testing methods.

CLIMAPLUS Superior Performance¹¹

Contains a broad-spectrum antimicrobial treatment on the face and back of the panel that provides guaranteed resistance against the growth of mould/mildew.

Grid Profile Options	A DX ⁹ /DXL™	B CENTRICITEE™ DXT	C DX/DXL	D CENTRICITEE DXT	E CENTRICITEE DXLT	F FINELINE® DXF	G FINELINE® 1/8 DXFF	H FINELINE® DXLF	I MERIDIAN™ DXM	J MERIDIAN™ DXM

Physical Data/ Footnotes

Product literature Data sheet# EAC_A365	Weight .61-1.15 lb./sq. ft. 1.14-1.22 lb./sq. ft. (FIRECODE)	See warranty for details.		1. Applies when CGC acoustical ceilings recycling program is utilized.			7. For details, see Sustainability selector.	
ASTM E1264 classification Type III, Form 2, Pattern C, D, E	Thermal resistance R-1.4 (5/8" Class A panels and tile) R-1.6 (FIRECODE panels)	Maintenance Can be cleaned easily with a soft brush or vacuum.		2. Dependent on location; see Sustainability selector.			8. Includes plastic coating, Gardner-Scrubability tested to 3,000 cycles (ASTM D246).	
ASTM E84 and CAN/ULC S102 surface burning characteristics Class A Flame spread: 25 Smoke developed: 50	Maximum backloading	High-Durability panels ASTM D1037 – falling-ball impact test.		3. Metric available in White only.			9. SF = staple flange.	
		Footnotes		4. Fire-rated items: see UL design details.			10. Not UL Classified for acoustics.	
				5. LR values are shown as averages.			11. Panel face and back surfaces treated with a patented, broad-spectrum antimicrobial standard formulation that inhibits and retards the growth of mould/mildew.	
				6. See Colours selector for more information.				

Radars™ *ClimaPlus*™ Illusion



10

Year Availability
2842, 2852, 2862, 2882



RADAR Illusion Four/48 Panels with *CLIMAPLUS* Superior Performance/
DONN DX/DXL Suspension System

LEED Credits

Recycled Content: 28% – 50%
CLIMAPLUS Superior Performance for Mould/Mildew

MR				EQ		
Waste Reduction ¹	Recycled Content	Regional Materials ²	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●	●	●	●	●

Features and Benefits

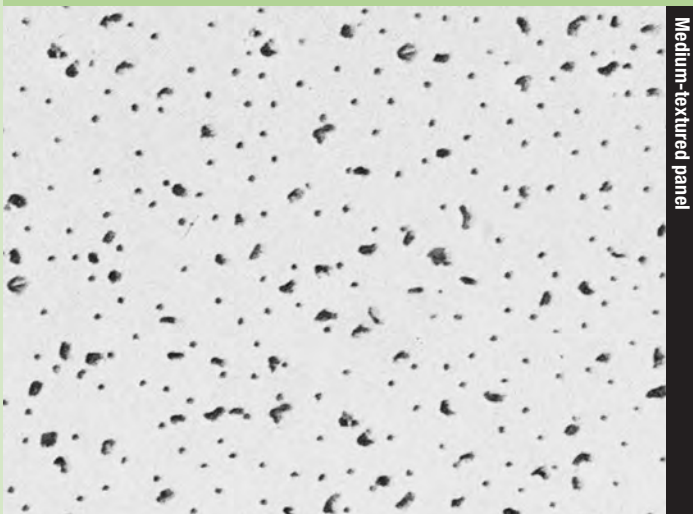
- Non-directional pattern offers fast, efficient installation.
- Face scores create illusion of a smaller-scaled ceiling system.
- *CLIMAPLUS* 30-year lifetime system warranty to withstand conditions up to 104 °F (40 °C)/95% relative humidity without visible sag when used with a *DONN*® brand suspension system.
- Optional *FIRECODE*™ formulation designed to meet life safety codes.

Applications

- Schools
- Corridors
- General offices
- Retail stores

Substrate

- Water-felted mineral fiber



Medium-textured panel

See individual items for colour availability.

Standard Colours



White



Parchment 103



Manila 246



Beige 142



Straw 143



Sandstone 090



Taupe 107



Charcoal 534

30
 Year System Warranty
 – No visible sag
 – Mould/mildew protection

UL Classified													
Edge	Panel Size	Class ³	Item No.	NRC	CAC Min.	LR ⁴	Colour ⁵	Grid Options	VOC Emissions	Anti-Mould & Mildew	Recycled Content ⁶	Panel Cost	
RADAR CLIMAPLUS Illusion Two/24 Panels The look of 2'x2' panels	SLT ⁷ 	2'x4' x3/4"	Class A	2842	.55	35	.89	White Standard Not available in Flat Black	A	Low		28 – 44%	\$\$
		2'x4' x3/4"		2846	.55	35	.89	White	A	Low		48 – 50%	\$\$
	ILT ⁸ 	2'x4' x3/4"	Class A	2844	.55	35	.89	White	B	Low		28 – 44%	\$\$
RADAR CLIMAPLUS Illusion Four/48 Panels The look of 48"x6" linear strips	SLT ⁸ 	2'x4' x3/4"	Class A	2882	.50	35	.89	White	A	Low		28 – 44%	\$\$
	ILT ⁸ 	2'x4' x3/4"	Class A	2884	.50	35	.89	White	B	Low		28 – 44%	\$\$
RADAR CLIMAPLUS Illusion Eight/12 Panels The look of 12"x12" tile	SLT ⁷ 	2'x4' x3/4"	Class A	2852	.55	35	.89	White	A	Low		28 – 44%	\$\$
	ILT ⁸ 	2'x4' x3/4"	Class A	2854	.55	35	.89	White	B	Low		28 – 44%	\$\$
RADAR CLIMAPLUS Illusion Thirty-Two/6 Panels The look of 6"x6" tile	SLT ⁷ 	2'x4' x3/4"	Class A	2862	.50	35	.89	White	A	Low		28 – 44%	\$\$
	ILT ⁸ 	2'x4' x3/4"	Class A	2864	.50	35	.89	White	B	Low		28 – 44%	\$\$

Illusion Two/24	Illusion Four/48	Illusion Eight/12	Illusion Thirty-Two/6

Legend

Low Emissions (VOC Class)
 Classified as low-emitting per standards established by the Collaborative for High-Performance Schools (CHPS), following California Specification 01350 testing methods.

CLIMAPLUS Superior Performance⁹
 Contains a broad-spectrum antimicrobial treatment on the face and back of the panel that provides guaranteed resistance against the growth of mould/mildew.

A	B
DX [®] /DXL [™]	CENTRICITEE [™] DXT



Physical Data/ Footnotes	Product literature Data sheet# EAC_A366 ASTM E1264 classification Type III, Form 2, Pattern CDEK ASTM E84 surface burning characteristics Class A Flame spread: 25 Smoke developed: 50 Weight .87-1.2 lb./sq. ft.	Thermal resistance R-1.7 (Class A) R-1.9 (FIRECODE) Maximum backloading See warranty for details. Maintenance Can be cleaned easily with a soft brush or vacuum.	Footnotes 1. Applies when CGC acoustical ceilings recycling program is utilized. 2. Dependent on location; see Sustainability selector. 3. Fire-rated items: see UL design details. 4. LR values are shown as averages. 5. See Colours selector for more information. 6. For details, see Sustainability selector. 7. Panels have a 15/16" routing.	8. Panels have a 9/16" routing. 9. Panel face and back surfaces treated with a patented, broad-spectrum antimicrobial standard formulation that inhibits and retards the growth of mould/mildew.
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Radars™ *ClimaPlus*™ High-CAC, High-NRC



10

Year Availability
22111, 22121, 22127, 22311



RADAR High-NRC Panels with *CLIMAPLUS* Superior Performance/
DONN DX/DXL Suspension System

LEED Credits

Recycled Content: 56% – 58%
CLIMAPLUS Superior Performance for Mould/Mildew

MR				EQ		
Waste Reduction ¹	Recycled Content	Regional Materials ²	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●	●	●	●	●

Features and Benefits

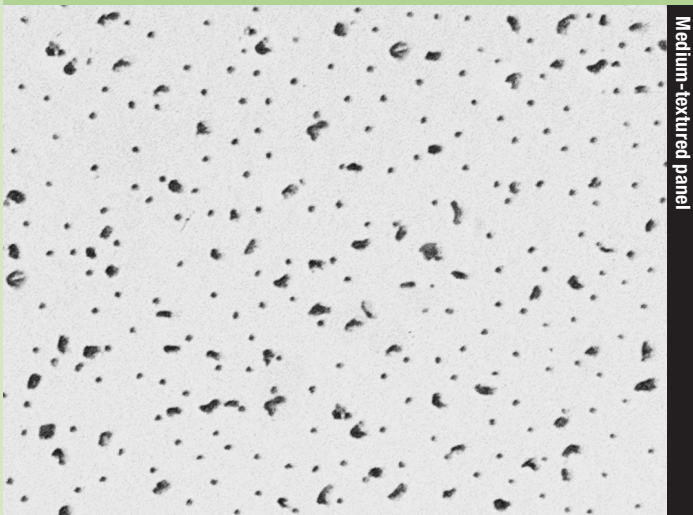
- Non-directional all-purpose ceiling pattern.
- Available with 40 CAC for increased room-to-room speech privacy or .70 NRC for greater sound control in open-plan areas.
- *CLIMAPLUS* 30-year lifetime system warranty to withstand conditions up to 104 °F (40 °C)/95% relative humidity without visible sag when used with a DONN® brand suspension system.
- FIRECODE™ formulation designed to meet life safety codes.
- High NRC/High CAC formulation helps comply with ANSI S 12.60 classroom guidelines.

Applications

- Conference rooms
- Open office plans
- Privacy rooms

Substrate

- Water-felted mineral fiber



Medium-textured panel



White

30
 Year System Warranty
 - No visible sag
 - Mould/mildew protection

UL Classified													
Edge	Panel Size	Class ³	Item No.	NRC	CAC Min.	LR ⁴	Colour	Grid Options	VOC Emissions	Anti-Mould & Mildew	Recycled Content ⁵	Panel Cost	
RADAR CLIMAPLUS High-CAC Panel	SQ 	2'x4'x5/8"	22310	.55	40	.84	White	A, C	Low		58%	\$	
RADAR CLIMAPLUS High-NRC Panels	SQ 	2'x2'x3/4"	22111	.70	35	.84	White	A, B, C	Low		58%	\$	
		2'x2'x3/4"	Class A 22421	.70	35	.84	White	A,B,C	Low		58%	\$	
		2'x4'x3/4"	22311	.70	35	.84	White	A, C	Low		58%	\$	
	SLT 	2'x2'x3/4"	22121	.70	35	.84	White	D	Low		58%	\$	
		2'x4'x3/4"	22122	.70	35	.84	White	D	Low		58%	\$	
	FLB 	2'x2'x3/4"	22127	.70	35	.84	White	E,F,G,H	Low		58%	\$	
RADAR CLIMAPLUS High-NRC/ High-CAC Panels	SQ 	2'x2'x3/4"	22521 ⁷	.70	40	.84	White	A,B,C			56%	\$	
		2'x4'x3/4"	Class A 22441 ⁷	.70	40	.84	White	A,C			56%	\$	
		2'x4'x3/4"	22541 ⁷	.70	40	.84	White	A,C			56%	\$	
	SLT 	2'x2'x3/4"	22523 ⁷	.70	40	.84	White	D			56%	\$	
	FLB 	2'x2'x3/4"	22527 ⁷	.70	40	.84	White	E,F,G,H			56%	\$	

Legend

Low Emissions (VOC Class)

Classified as low-emitting per standards established by the Collaborative for High-Performance Schools (CHPS), following California Specification 01350 testing methods.

CLIMAPLUS Superior Performance⁶

Contains a broad-spectrum antimicrobial treatment on the face and back of the panel that provides guaranteed resistance against the growth of mould/mildew.

A	B	C	D	E	F	G	H
DX [®] /DXL™	CENTRICITEE™ DXT	DXW™	DX/DXL	CENTRICITEE DXLT	FINELINE [®] DXF	FINELINE [®] 1/8 DXFF	MERIDIAN™ DXM

Grid Profile Options

Physical Data/ Footnotes

Product literature
 Data sheet# EAC_A367
ASTM E1264 classification
 Type III, Form 2, Pattern CDE
ASTM E84 and CAN/ULC S102 surface burning characteristics
 Class A
 Flame spread: 25
 Smoke developed: 50
Weight
 1.15-1.20 lb./sq. ft.

Thermal resistance
 R-1.6 (5/8" panels)
 R-1.9 (3/4" panels)
Maximum backloading
 See Warranty for details.
Maintenance
 Panels can be cleaned easily with a soft brush or vacuum.

Footnotes
 1. Applies when CGC acoustical ceilings recycling program is utilized.
 2. Dependent on location; see Sustainability selector.
 3. Fire-rated items: See UL design details.
 4. LR values are shown as averages.
 5. For details, see Sustainability selector.
 6. Panel face and back surfaces treated with a patented, broad-spectrum antimicrobial standard formulation that inhibits and retards the growth of mould/mildew.
 7. Helps comply with ANSI S 12.60 classroom guidelines.



RADAR Ceramic Panels with *CLIMAPLUS* Performance/
DONN ZXLA Suspension System

LEED Credits

Recycled Content: 45%
CLIMAPLUS No-Sag Warranty

MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
	●	●	●	●	●	●

Features and Benefits

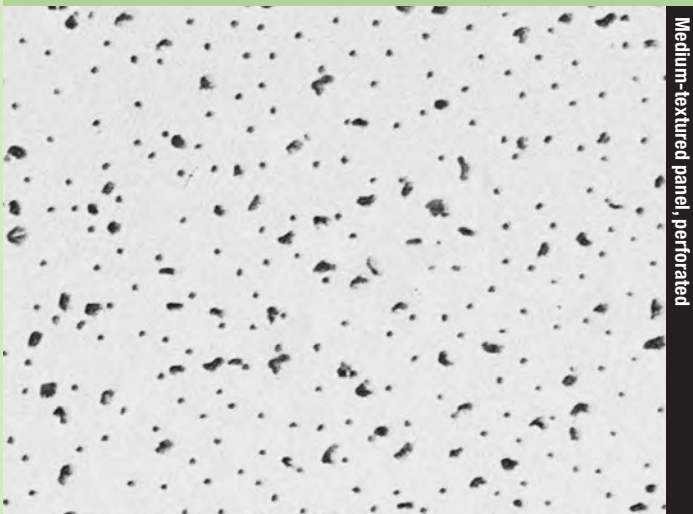
- 100% ceramic-bonded mineral fiber withstands high heat, high humidity, corrosive chemical fumes, and steam.
- Tested in live steam to withstand applications such as saunas and steam rooms.
- Meets U.S. Coast Guard standards and can be used in high-humidity marine applications.
- *CLIMAPLUS* 30-year lifetime system warranty to withstand conditions up to 104 °F (40 °C)/100% relative humidity without visible sag when used with a *DONN*® brand suspension system.
- FIRECODE™ formulation.

Applications

- Exterior soffits
- Parking garages
- Pools and shower areas
- Saunas and steam rooms

Substrate

- Water-felted, ceramic-bonded mineral fiber



Medium-textured panel, perforated



White

Web Sites:
www.cgcinc.com
www.usgdesignstudio.com
www.sustainableceilings.com
www.seismicceilings.com

Customer Service
 Ontario/Atlantic Canada 800-387-2690
 Quebec/Eastern Ontario 800-361-1310
 Western Canada 800-242-4418

30

Year System Warranty
 – No visible sag
 – Mould/mildew protection

**RADAR Ceramic
 CLIMAPLUS
 Perforated Panels**

Edge	Panel Size	Class ²	Item No.	NRC	UL Classified		Colour	Grid Options	VOC Emissions	Anti-Mould & Mildew	Recycled Content ⁴	Panel Cost
					CAC	LR ³ Min.						
SQ	2' x2' x5/8"		56644	.50		.82	White	A, B	Zero		45%	\$\$
	2' x4' x5/8"		56645	.50		.82	White	A, B	Zero		45%	\$\$

Legend

Zero Emissions (VOC Class)
 Classified as zero-emitting per standards established by the Collaborative for High-Performance Schools (CHPS), following California Specification 01350 testing methods.

CLIMAPLUS Inherent Performance⁵
 Totally inorganic product; resistant to the growth of mould and mildew.

A	B
ZXLA™	AX™

Grid Profile Options

**Physical Data/
 Footnotes**

Product literature
 Data sheet# EAC_A368

ASTM E1264 classification
 Perforated: Type XX, Pattern CEG

ASTM E84 surface burning characteristics
 Class A
 Flame spread: 0
 Smoke developed: 0

Weight
 1.6-1.7 lb./sq. ft.

Thermal resistance
 R-1.3

Maximum backloading
 See Warranty for details.

Maintenance
 Can be cleaned easily with a damp sponge.

U.S. Coast Guard acceptance
 Approved for use on merchant ships (No. 164.109/53/0).

Footnotes

1. Dependent on location; see Sustainability selector.
2. Fire-rated items: see UL design details.
3. LR values are shown as averages.
4. For details, see Sustainability selector.





RENDITIONS Face-Routed Ceiling Panels with Paws Pattern/
DOWN DX/DXL Suspension System

LEED Credits

Recycled Content: 70% – 77%

MR				EQ		
Waste Reduction ¹	Recycled Content	Regional Materials ²	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●	●	●	●	●

Features and Benefits

- Computer-generated, face-routed designs combined with the beautiful fine texture of ECLIPSE™, FROST™, or MILLENNIA® panels.
- Numbered ceiling panels match shop drawings for easy installation.
- Custom designs are available.
- All panels available in White. FROST panels available in Standard colours, Advantage colours and custom colours.

Applications










- Child care
- Educational
- Health care
- Theme and whimsical areas

Substrate

















- X-Technology mineral fiber
- Cast mineral fiber (FROST)

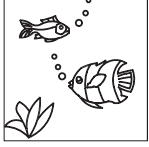
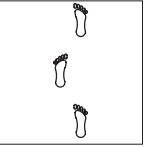
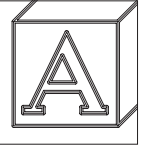
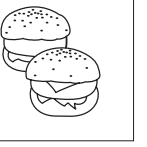
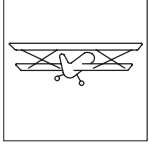
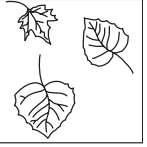

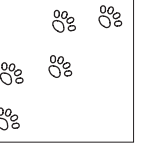
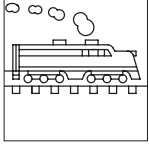
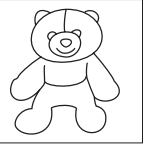


Standard Colours

						
White	Parchment 103	Manila 246	Beige 142	Straw 143	Sandstone 090	Taupe 107
						
	Charcoal 534	Flat Black 205				

Advantage Colours

							
Silverstone 052	Breeze 2659	Blue Grey 564	Azure 2660	Slate 568	Spruce 567	Tuscany 2663	Sorbet 2658
							
Squash 2661	Safari 2662	Redwood 566	Sienna 565	Halo 206	Mist 053	Nectar 546	Quartz 082

Product Information										
Materials	Finishes	Typical Sizes	Available Panels and Edges ³					Sound Rating ⁴		
Mineral-fiber ceiling panels	All panels available in White. Frost panels available in Standard colours, Advantage colours and custom colours.	2' x 2'		SQ	SLT	SLB	FL	FLB	NRC	CAC ⁵
			ECLIPSE	•	•		•			
			FROST			•	•	•		
			MILLENNIA	•	•			•		
Patterns ⁶	Aquarium 5-Panel Series		Barefootin' 12-Panel Series		Blocks 13-Panel Series			Fast Food 5-Panel Series		
										
	Flying Things 13-Panel Series		Leaves 13-Panel Series		Night Sky 8-Panel Series			Paws 29-Panel Series		
										
	Railway 26-Panel Series		Stuffed Animals 4-Panel Series							
										

**Physical Data/
Footnotes**

Product literature

Data sheet# EAC_A369
 Product guide: IC500

Recycled Content

See the Sustainability selector.

Footnote

1. Applies when CGC acoustical ceilings recycling program is utilized.
2. Dependent on location; see Sustainability selector.
3. RENDIMONS panels only available as Class A.
4. Non-face-routed panels.
5. CAC values will depend on edge and suspension system.
6. For all panels in each series, visit USGDesignStudio.com.

Note

Panels with RENDIMONS face routing do not carry CGC's CLIMAPLUS™ non-sag warranty. Refer to standard commercial ceilings warranty.



RENDITIONS Face-Routed Ceiling Panels with Boundaries Pattern/
FROST Panels/DONN CENTRICITEE Suspension System

LEED Credits

Recycled Content: 70% – 77%

MR				EQ		
Waste Reduction ¹	Recycled Content	Regional Materials ²	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●	●	●	●	●

Features and Benefits

- Computer-generated, face-routed designs combined with the beautiful fine texture of ECLIPSE™, FROST™, or MILLENNIA® panels.
- Numbered ceiling panels match shop drawings for easy installation.
- Available in Square, Finline, and Shadowline edges.
- Custom designs available.
- All panels available in White. FROST panels available in Standard colours, Advantage colours and custom colours.

Applications

- Educational
- Health care
- Retail space
- Theme and whimsical areas

Substrate

- X-Technology mineral fiber
- Cast mineral fiber (FROST)

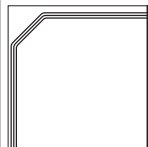

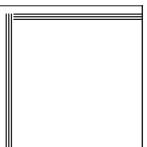
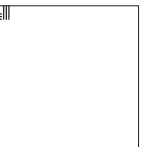
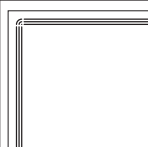
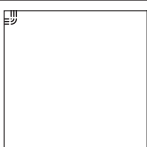
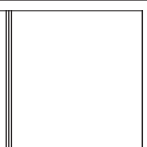
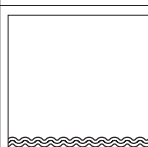
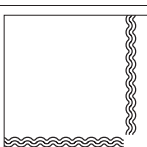
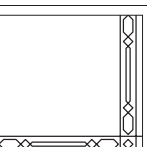
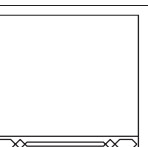
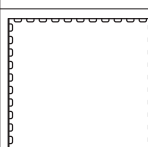
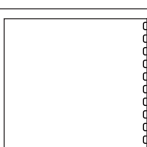
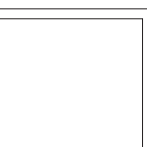

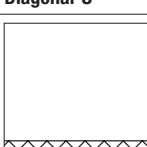
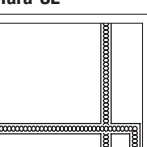
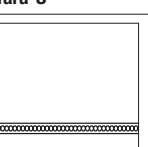


Standard Colours

White	Parchment 103	Manila 246	Beige 142	Straw 143	Sandstone 090	Taupe 107
	Charcoal 534	Flat Black 205				

Advantage Colours

Silverstone 052	Breeze 2659	Blue Grey 564	Azure 2660	Slate 568	Spruce 567	Tuscany 2663	Sorbet 2658
Squash 2661	Safari 2662	Redwood 566	Sienna 565	Halo 206	Mist 053	Nectar 546	Quartz 082

Product Information										
Materials ³	Finishes	Typical Sizes	Available Panels and Edges					Sound Rating ⁴		
Mineral-fiber ceiling panels	All panels available in White. FROST panels available in Standard colours, Advantage colours and custom colours.	2' x 2'		SQ	SLT	SLB	FL	FLB	NRC .70	CAC ⁵ 35
			ECLIPSE	•	•		•			
			FROST			•	•	•		
			MILLENNIA	•	•					
Patterns										
RENDITIONS I Outside Corner		RENDITIONS I Inside Corner		RENDITIONS II Outside Corner			RENDITIONS II Inside Corner			
										
RENDITIONS III Outside Corner		RENDITIONS III Inside Corner		Straight Line						
										
Curls-S		Curls-SE		Deco-SE			Deco-S			
										
Dentil-2		Dentil-SE		Dentil-S						
										
Diagonal-SE		Diagonal-S		Tara-SE			Tara-S			
										

**Physical Data/
Footnotes**

Product literature

Data sheet# EAC_A370
 Product guide: IC501

Recycled Content

See the Sustainability selector.

Footnote

1. Applies when CGC acoustical ceilings recycling program is utilized.
2. Dependent on location; see Sustainability selector.
3. RENDITIONS panels only available as Class A.
4. Non-face-routed panels.
5. CAC values will depend on edge and suspension system.

Note

Panels with RENDITIONS face routing do not carry CGC's CLIMAPlus™ non-sag warranty. Refer to standard commercial ceilings warranty.



Rock Face Panels with *CLIMAPLUS* Superior Performance/
DONN DX/DXL Suspension System

LEED Credits

Recycled Content: 49%
CLIMAPLUS Superior Performance for Mould/Mildew

MR				EQ		
Waste Reduction ¹	Recycled Content	Regional Materials ²	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●	●	●	●	●

Features and Benefits

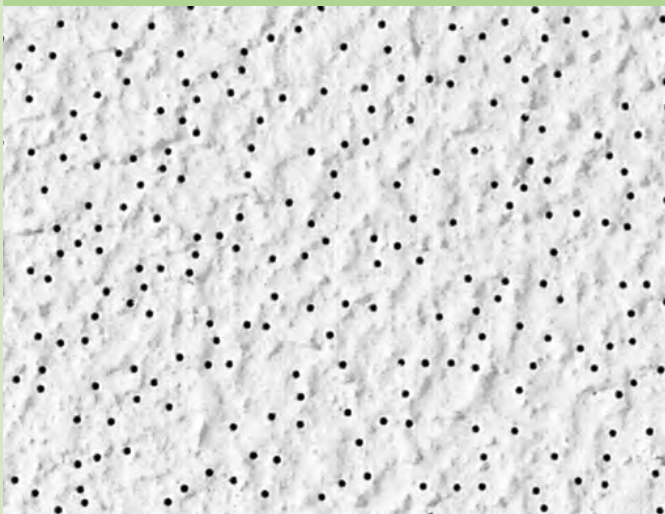
- Specially compounded textured surface with hard core.
- Perfect for increased abuse resistance and sag resistance.
- *CLIMAPLUS* 30-year lifetime system warranty to withstand conditions up to 104 °F (40 °C)/95% relative humidity without visible sag when used with a *DONN*® brand suspension system.
- *FIRECODE*™ formulation designed to meet life safety codes.

Applications

- Athletic areas and exercise rooms
- Schools
- Corridors
- Dormitory rooms

Substrate

- Water-felted mineral fiber



Fine-textured panel



White

Web Sites:
www.cgcinc.com
www.usgdesignstudio.com
www.sustainableceilings.com
www.seismicceilings.com

Customer Service
 Ontario/Atlantic Canada 800-387-2690
 Quebec/Eastern Ontario 800-361-1310
 Western Canada 800-242-4418

30
 Year System Warranty
 – No visible sag
 – Mould/mildew protection

UL Classified														
Edge	Panel Size	Class ³	Item No.	NRC	CAC Min.	LR ⁴	Colour	Grid Options	VOC Emissions	Anti-Mould & Mildew	Abuse-Resistant	Recycled Content ⁵	Panel Cost	
ROCK FACE CLIMAPlus Panels	SQ 		56335	.55	35	.86	White	A, B	Low			49%	\$\$	
			56380	.55	35	.86	White	A, B	Low			49%	\$\$	
	SLT 		55483	.55	35	.86	White	C, D	Low			49%	\$\$	
Legend														
Low Emissions (VOC Class) Classified as low-emitting per standards established by the Collaborative for High-Performance Schools (CHPS), following California Specification 01350 (CHPS) testing methods.					CLIMAPlus Superior Performance⁶ Contains a broad-spectrum antimicrobial treatment on the face and back of the panel that provides guaranteed resistance against the growth of mould/mildew.									
A DX®/DXL™		B ZXLA™		C DX/DXL		D ZXLA								
Grid Profile Options														

**Physical Data/
Footnotes**

Product literature
 Data sheet# EAC_A370

ASTM E1264 classification
 Type III, Form 2, Pattern CE

ASTM E84 surface burning characteristics
 Class A
 Flame spread: 25
 Smoke developed: 50

Weight
 1.0-1.3 lb./sq. ft.

Thermal resistance
 R-1.6 (5/8" panels)
 R-1.9 (3/4" panels)

Maximum backloading
 See Warranty for details.

Maintenance
 Can be cleaned easily with a soft brush or vacuum.

Durability tests
 ASTM D1037: Tested to 45 lbf. for a 1/4" depression by a Janka ball.
 ASTM D5420: Tested to 3.5 in./lbf. for impaction.

Footnotes

1. Applies when CGC acoustical ceilings recycling program is utilized.
2. Dependent on location; see Sustainability selector.
3. Fire-rated items: see UL design details.
4. LR values are shown as averages.
5. For details, see Sustainability selector.
6. Panel face and back surfaces treated with a patented, broad-spectrum antimicrobial standard formulation that inhibits and retards the growth of mould/mildew.



SANDRIFT Panels with CLIMAPLUS Superior Performance/
DONN DX/DXL Suspension System

LEED Credits

Recycled Content: 70% – 71%
CLIMAPLUS Superior Performance for Mould/Mildew

MR				EQ		
Waste Reduction ¹	Recycled Content	Regional Materials ²	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●	●	●	●	●

Features and Benefits

- Uniquely textured cast product with durable surface that resists scrapes commonly caused by accessing the ceiling plenum.
- Integral colour masks nicks and scratches.
- Optional FIRECODE™ formulation designed to meet life safety codes.
- CLIMAPLUS 30-year lifetime system warranty to withstand conditions up to 104 °F (40 °C)/95% relative humidity without visible sag when used with a DONN® brand suspension system.

Applications

- Conference and lobby areas
- Department stores
- Entertainment and gaming
- Executive offices
- Restaurants

Substrate

- Cast mineral fiber



Fine-textured panel










Standard Colours

White	Parchment 103	Manila 246	Beige 142	Straw 143	Sandstone 090	Taupe 107
Charcoal 534	Flat Black 205					

Advantage Colours

Silvertone 052	Breeze 2659	Blue Grey 564	Azure 2660	Slate 568	Spruce 567	Tuscany 2663	Sorbet 2658
Squash 2661	Safari 2662	Redwood 566	Sienna 565	Halo 206	Mist 053	Nectar 546	Quartz 082

30
 Year System Warranty
 – No visible sag
 – Mould/mildew protection

	Edge	Panel Size	Class	Item No.	UL Classified			Colour ⁴	Grid Options	VOC Emissions	Anti-Mould & Mildew	Abuse Resistant	Recycled Content ⁵	Panel Cost
					NRC	CAC Min.	LR ³							
SANDRIFT CLIMAPLUS Panels	SL 	2' x2' x3/4" Paper-back	Class A	808	.70	38	.83	White Standard Advantage	A	Zero			71%	\$\$
	FL 	2' x2' x3/4" Paper-back	Class A	809	.70	38	.83	White Standard Advantage	B, C, D, E	Zero			71%	\$\$
SANDRIFT Non-CLIMAPLUS Panels	SL 	2' x2' x3/4" Foil-Back		815	.55	35	.83	White	A	Zero			70%	\$\$

Legend

 Zero Emissions (VOC Class)

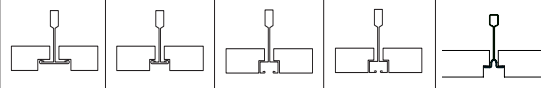
Classified as zero-emitting per standards established by the Collaborative for High-Performance Schools (CHPS), following California Specification 01350 testing methods.

 CLIMAPLUS Superior Performance⁶

Contains a broad-spectrum antimicrobial treatment on the face and back of the panel that provides guaranteed resistance against the growth of mould/mildew.

A	B	C	D	E
DOM [®] DX [®] /DXL [™]	CENTRICITEE [™] DXT	FINELINE [®] DXF	FINELINE [®] 1/8 DXFF	MERIDIAN [™] DXM

Grid Profile Options



Physical Data/ Footnotes

Product literature
 Data sheet# EAC_A372

ASTM E1264 classification
 Type III, Form 4, Pattern Z

ASTM E84 surface burning characteristics
 Class A
 Flame spread: 25
 Smoke developed: 50

Weight
 1.65-1.70 lb./sq. ft. (Class A)
 FIRECODE weight

Thermal resistance
 R-1.7 (Class A)
 R-1.3 (Firecode)

Maximum backloading
 See Warranty for details.

Maintenance
 Can be cleaned easily with a soft brush or vacuum.

Texture
 The manufacturing process for cast ceiling panels creates natural, subtle texture variations, which is a distinguishing feature of these products. Because of potential variances between production dates, we recommend ordering and installing colour cast products by production lot number.

Footnotes

1. Applies when CGC acoustical ceilings recycling program is utilized.
2. Dependent on location; see Sustainability selector.
3. LR values are shown as averages.
4. To highlight the unique texture of SANDRIFT CLIMAPLUS panels, choose light colours. See Colours selector for more information.
5. For details, see Sustainability selector.
6. Panel face and back surfaces treated with a patented, broad-spectrum antimicrobial standard formulation that inhibits and retards the growth of mould/mildew.

Sheetrock® Lay-In Ceiling Panel *ClimaPlus™*



10

Year Availability
3270



SHEETROCK Lay-In Ceiling Panel, Vinyl, with *CLIMAPLUS* Performance/
DONN ZXLA Suspension System

LEED Credits

Recycled Content: 23%
CLIMAPLUS No-Sag Warranty

MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
	●	●	●		●	●

Features and Benefits

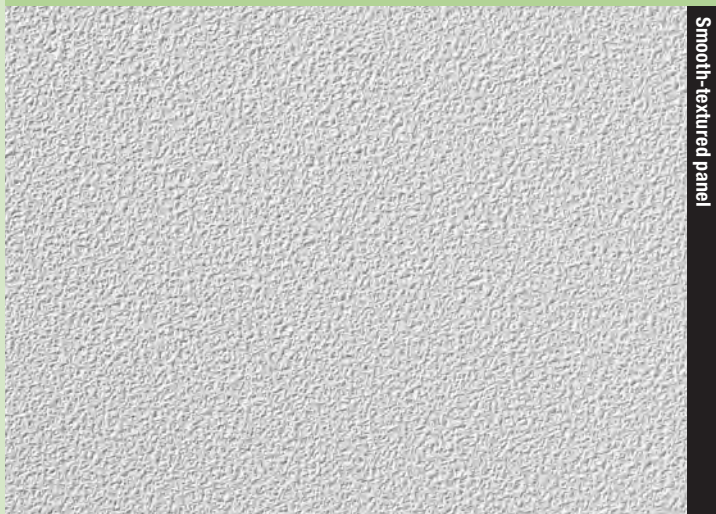
- Panels meet U. S. Dept. of Agriculture Food Safety Inspection Service requirements for food processing areas.
- SHEETROCK® brand CLEAN ROOM™ lay-in ceiling panels can be used in cleanroom environments up to Class 100.
- *CLIMAPLUS™* 30-year lifetime no-sag system warranty up to 104 °F (40 °C)/95% relative humidity when used with a DONN® brand suspension system.

Applications

- Exterior protected soffits
- Kitchens and food preparation areas
- Restrooms and utility areas
- Locker rooms
- Marine environments

Substrate

- Gypsum panel



Smooth-textured panel



White

Web Sites:
www.cgcinc.com
www.usgdesignstudio.com
www.sustainableceilings.com
www.seismicceilings.com

Customer Service
 Ontario/Atlantic Canada 800-387-2690
 Quebec/Eastern Ontario 800-361-1310
 Western Canada 800-242-4418

30

Year System Warranty
 – No visible sag

UL Classified												
Edge	Panel Size	Class ²	Item No.	NRC ³	CAC Min.	LR ⁴	Colour	Abuse-Resistant	Grid Options	Recycled Content ⁵	Panel Cost	
SHEETROCK Lay-In Ceiling Panel CLIMAPLUS, Vinyl	SQ 	2' x2' x1/2"	Class A	3260	—	35	.77	White		A, B, C	23%	\$
		2' x4' x1/2"	Class A	3270	—	40	.77	White		A, B, C	23%	\$
SHEETROCK Lay-In Ceiling Panel CLIMAPLUS, CLEAN ROOM ⁶	SQ 	2' x4' x1/2"		3200	—	40	.77	White		A, B, C	23%	\$\$
	A DONN [®] DX [®] /DXL [™]	B ZXL [™]	C DONN CE ^{™7}									
Grid Profile Options												

**Physical Data/
Footnotes**

Product literature
 Data sheet# EAC_A373
ASTM E1264 classification
 Type XX, Pattern G
ASTM E84 surface burning characteristics
 Class A
 Vinyl
 Flame spread: 25
 Smoke developed: 50
 CLEAN ROOM
 Flame spread: 25
 Smoke developed: 50

Weight
 1/2" = 2.00 lb./sq. ft.
Thermal resistance
 1/2" = up to R-0.45
Maximum backloading
 See Warranty for details.
Maintenance
 Can be cleaned easily with a damp sponge. Use mild detergent and water – do not use acetate, ammonia or high concentration of chlorine, bromide or other harsh chemicals.

U.S. Coast Guard acceptance
 Approved for use on merchant ships.
Footnotes
 1. Dependent on location; see Sustainability selector.
 2. Fire-rated items: see UL design details.
 3. NRC rating is .10. CGC does not consider a ceiling panel to be acoustically rated if NRC is less than .50

4. LR values are shown as averages.
 5. For details, see Sustainability selector.
 6. Field-cut edges of CLEAN ROOM panels must be sealed with white latex paint.
 7. Clean-room-rated applications require a suspension system with gasketed tee flanges such as DONN CE.



SUMMIT Panels with *CLIMAPLUS* Superior Performance/
DONN FINELINE 1/8 DXFF Suspension System

LEED Credits

Recycled Content: 63%
CLIMAPLUS Superior Performance for Mould/Mildew

MR				EQ		
Waste Reduction ¹	Recycled Content	Regional Materials ²	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●	●	●	●	●

Features and Benefits

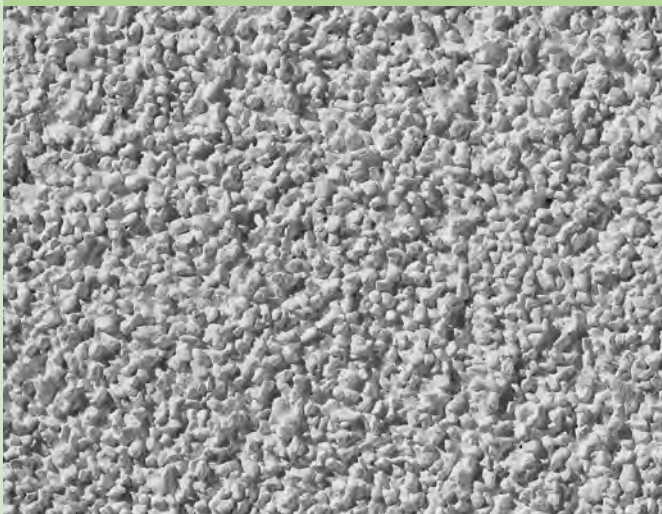
- Fine-textured cast product with an extremely durable, impact-resistant surface.
- Excellent combination of noise reduction (NRC) and sound attenuation (CAC).
- *CLIMAPLUS* 30-year lifetime system warranty to withstand conditions up to 104 °F (40 °C)/95% relative humidity without visible sag when used with a DONN® brand suspension system.

Applications

- Open and closed office plans
- Schools
- Airports
- Convention centers
- Conference and lobby areas
- Healthcare

Substrate

- Cast mineral fiber



Fine-textured panel



White

30
 Year System Warranty
 – No visible sag
 – Mould/mildew protection

UL Classified																										
Edge	Panel Size	Class	Item No.	NRC	CAC Min. ³⁴	LR ⁵	Colour	Grid Options	VOC Emissions	Anti-Mould & Mildew	Abuse-Resistant	Recycled Content ⁶	Panel Cost													
SUMMIT CLIMAPlus	SLB 	2' x 2' x 3/4" Paper-back	Class A 990	.70 	38 	.81	White	A	Zero 			63%	\$\$\$													
	FLB 	2' x 2' x 3/4" Paper-back	Class A 991	.70 	38/40 	.81	White	B, C, D	Zero 			63%	\$\$\$													
Legend																										
Zero Emissions (VOC Class) Classified as zero-emitting per standards established by the Collaborative for High-Performance Schools (CHPS), following California Specification 01350 testing methods.					CLIMAPlus Superior Performance⁷ Contains a broad-spectrum antimicrobial treatment on the face and back of the panel that provides guaranteed resistance against the growth of mould/mildew.																					
<table border="1"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> <th>D</th> </tr> <tr> <th>DX®/DXL™</th> <th>CENTRICITEE™ DXT</th> <th>FINELINE® DXF</th> <th>FINELINE® 1/8 DXFF</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>															A	B	C	D	DX®/DXL™	CENTRICITEE™ DXT	FINELINE® DXF	FINELINE® 1/8 DXFF				
A	B	C	D																							
DX®/DXL™	CENTRICITEE™ DXT	FINELINE® DXF	FINELINE® 1/8 DXFF																							
Grid Profile Options																										

Physical Data/ Footnotes

<p>Product literature Data sheet # EAC_A374</p> <p>ASTM E1264 classification Type III, Form 4, Pattern E</p> <p>ASTM E84 surface burning characteristics Class A Flame spread: 25 Smoke developed: 50</p> <p>Weight 1.95 lb./sq. ft.</p> <p>Thermal resistance R-1.7</p>	<p>Maximum backloading See Warranty for details.</p> <p>Maintenance Can be cleaned easily with a soft brush or vacuum.</p> <p>Durability Tests ASTM C367 – tested to 260 lbf. for 1/4" depression by a 2" steel ball. ASTM D1037 – tested to 60 lbf. for 1/4" depression by Janka ball.</p> <p>Impact resistance ASTM D5420 – tested to 3.8 in./lbf. for impact resistance.</p>	<p>Texture The manufacturing process for cast ceiling panels creates natural, subtle texture variations, which is a distinguishing feature of these products. Because of potential variances between production dates, we recommend ordering and installing colour cast products by production lot number.</p>	<p>Footnote</p> <ol style="list-style-type: none"> 1. Applies when CGC acoustical ceilings recycling program is utilized. 2. Dependent on location; see Sustainability selector. 3. Item No. 991 achieves 40 CAC when installed with FINELINE DXF or FINELINE 1/8 DXFF suspension system. 4. Adding sound masking can be as effective as using a ceiling panel with a higher CAC rating, providing increased privacy between enclosed office spaces. 5. LR values are shown as averages. 6. For details, see Sustainability selector. 	<p>7. Panel face and back surfaces treated with a patented, broad-spectrum antimicrobial standard formulation that inhibits and retards the growth of mould/mildew.</p>
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TOUCHSTONE Panels with *CLIMAPLUS* Superior Performance/
DONN DX/DXL Suspension System

LEED Credits

Recycled Content: 48%
CLIMAPLUS Superior Performance for Mould/Mildew

MR				EQ		
Waste Reduction ¹	Recycled Content	Regional Materials ²	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●	●	●	●	●

Features and Benefits

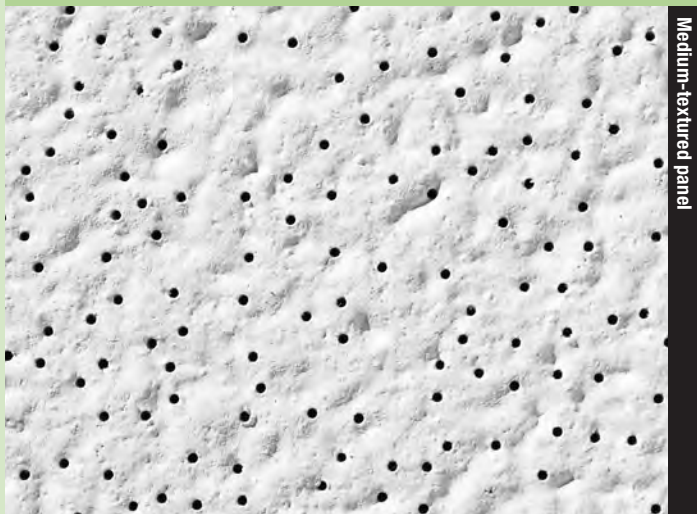
- Panels are scuff- and abuse-resistant and can withstand day-to-day activity in high traffic areas.
- *CLIMAPLUS* 30-year lifetime system warranty to withstand conditions up to 104 °F (40 °C)/95% relative humidity without visible sag when used with a *DONN*® brand suspension system.
- *FIRECODE*™ formulation designed to meet life safety codes.

Applications

- Schools
- General offices
- Retail stores

Substrate

- Water-felted mineral fiber



Medium-textured panel



White

Web Sites:
www.cgcinc.com
www.usgdesignstudio.com
www.sustainableceilings.com
www.seismicceilings.com

Customer Service
 Ontario/Atlantic Canada 800-387-2690
 Quebec/Eastern Ontario 800-361-1310
 Western Canada 800-242-4418

30
 Year System Warranty
 – No visible sag
 – Mould/mildew protection

UL Classified														
Edge	Panel Size	Class ³	Item No.	NRC	CAC Min.	LR ⁴	Colour	Grid Options	VOC Emissions	Anti-Mould & Mildew	Abuse-Resistant	Recycled Content ⁵	Panel Cost	
TOUCHSTONE CLIMAPlus Panels	SQ 		5893	.55	35	.86	White	A, B, C	Low			48%	\$\$	
			5894	.55	35	.86	White	A, B	Low			48%	\$\$	
	SLT 		5896	.55	35	.86	White	D	Low			48%	\$\$	
	FLB 		5899	.55	35	.86	White	E, F, G, H, I, J	Low			48%	\$\$	

Legend

Low Emissions (VOC Class)

Classified as low-emitting per standards established by the Collaborative for High-Performance Schools (CHPS), following California Specification 01350 testing methods.

CLIMAPlus Superior Performance⁶

Contains a broad-spectrum antimicrobial treatment on the face and back of the panel that provides guaranteed resistance against the growth of mould/mildew.

Grid Profile Options

A DX®/DXL™	B DXW™	C CENTRICITEE™ DXT	D DX/DXL	E CENTRICITEE® DXT	F CENTRICITEE DXLT	G FINELINE® DXF	H FINELINE® 1/8 DXFF	I FINELINE® DXLF	J MERIDIAN™ DXM

**Physical Data/
Footnotes**

Product literature
 Data sheet# EAC_A375

ASTM E1264 classification
 Type III, Form 2, Pattern CEI
ASTM E84 surface burning characteristics
 Class A
 Flame spread: 25
 Smoke developed: 50

Weight
 1.0-1.3 lb./sq. ft.
Thermal resistance
 R-1.6
Maximum backloading
 See Warranty for details.
Maintenance
 Can be cleaned easily with a soft brush or vacuum.

Footnotes
 1. Applies when CGC acoustical ceilings recycling program is utilized.
 2. Dependent on location; see Sustainability selector.
 3. Fire-rated items: see UL design details.
 4. LR values are shown as averages.
 5. For details, see Sustainability selector.
 6. Panel face and back surfaces treated with a patented, broad-spectrum antimicrobial standard

formulation that inhibits and retards the growth of mould/mildew.

Suspension Systems

Selectors

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System Interface

Suspension System

CGC offers the following suspension system and edge detail options. Select a suspension system and match it with a corresponding panel edge detail, or vice versa, to assure proper system fit and assembly.

		DX/DXL/ AX/ZXLA	CENTRICITEE DXT^{2,3}	FINELINE DXF²	FINELINE 1/8 DXFF	MERIDIAN™ DXM	DXW (1-1/2" wide)	CE (Controlled Environments)	DXL Concealed
	Edge Detail								
Square Edge SQ									
Shadowline Tapered SLT									
Shadowline (SL)									
Shadowline Bevel SLB									
Fineline FL									
Fineline Bevel FLB									

1. AX and ZXLA Suspension Systems provide environmental resistance; they have the same profile as DX/DXL and can utilize the same edge details.
 2. DX/DXL, ZXLA, DXLF, and DXLT fire-rated suspension systems and FIRECODE formulation panels may have restrictions on size and appl

3. Square edge panels are not recommended with 2'x4' modules using 9/16" grid.
 4. ILT edge is applicable only to Illusion and Pedestals face-cut products.

		DX/DXL/ AX/ZXLA	CENTRICITEE DXT ^{2,3}	FINELINE DXF ²	FINELINE 1/8 DXFF	MERIDIAN™ DXM	DXW (1-1/2" wide)	CE (Controlled Environments)	DXL Concealed
	Edge Detail								
Pedestals PE/ILT									
Pedestals PE/SLT									
Interline Tapered⁴ ILT									
BESK									
SESK									

Standard and Advantage Colours

Standard Colours: Available for quick delivery, with one-carton minimum for suspension systems and ceiling panels.

Advantage Colours: One-carton minimum per component for suspension systems; minimum panel quantity applies. Suspension systems and panels also available in custom colours. Contact your CGC sales representative for details.

Note: Suspension systems have colour caps only.

	Product	Item No.	Colour Options	Size	Page No.
CENTRICITEE DXT		DXT24	Standard and Advantage colours	9/16"	190
		DXT222	Standard and Advantage colours, Bronze 774	9/16"	190
		DXT424	Standard and Advantage colours, Bronze 774	9/16"	190
	Wall Moulding	M9	Standard and Advantage colours	9/16"	190
		MS174	Standard and Advantage colours	9/16"	190
DX/DXL		DX/DXL24	Standard and Advantage colours, Plated Brass and Plated Chrome	15/16"	193
		DX/DXL216	Standard and Advantage colours, Plated Brass and Plated Chrome	15/16"	193
		DX/DXL424	Standard and Advantage colours, Plated Brass and Plated Chrome	15/16"	193
	Wall Moulding	M7	Standard and Advantage colours	7/8"	193
		M20	Custom colours	2"	193
	MS274	Custom colours	2"	193	
DXM		DXM24	Standard and Advantage colours	9/16"	196
		DXM224	Standard and Advantage colours	9/16"	196
		DXM424	Standard and Advantage colours	9/16"	196
	Wall Moulding	M9	Standard and Advantage colours	9/16"	196
		MS174	Standard and Advantage colours	9/16"	196
DXW		DXW26	Standard and Advantage colours	1-1/2"	198
		DXW224	Standard and Advantage colours	1-1/2"	198
		DXW424	Standard and Advantage colours	1-1/2"	198
	Wall Moulding	M7	Standard and Advantage colours	7/8"	198
		M12	Standard and Advantage colours	1-1/2"	198
	M20	Standard and Advantage colours	2"	198	
FINELINE DXF/DXLF		DXF2924	Standard and Advantage colours	9/16"	200
		DXF229	Standard and Advantage colours	9/16"	200
		DXF429N	Standard and Advantage colours	9/16"	200
	Wall Moulding	M9	Silver Satin	9/16"	200
		MS174	Silver Satin	9/16"	200
FINELINE 1/8 DXFF		DXFF2924	Custom colours	9/16"	202
		DXFF2930	Standard and Advantage colours	9/16"	202
		DXFF2948	Standard and Advantage colours	9/16"	202
		DXFH2924	Standard and Advantage colours	9/16"	202
		DXFF229	Standard and Advantage colours	9/16"	202
		DXFF429	Standard and Advantage colours	9/16"	202
		DXFF429N	Standard and Advantage colours	9/16"	202
		DXFF429S	Standard and Advantage colours	9/16"	202
	Wall Moulding	M9	Standard and Advantage colours	9/16"	202
		MS174	Standard and Advantage colours	9/16"	202
ZXLA		ZXLA24	Standard and Advantage colours	15/16"	204
		ZXLA224	Standard and Advantage colours	15/16"	204
		ZXLA424	Standard and Advantage colours	15/16"	204
	Wall Moulding	M7Z	Standard and Advantage colours	7/8"	204

Samples shown are representative of colour.
 Note: CLIMAPLUS Superior Performance and AntiMicrobial Treatment for mould/mildew available only with White panels.

	Parchment 103	Manila 246	Beige 142	Straw 143	Sandstone 090	Taupe 107
Standard Colours Ceiling Panels and Suspension Systems						
	Charcoal 534	Flat Black 205				
Advantage Colours Ceiling Panels and Suspension Systems						
	Silvertone 052	Breeze 2659	Blue Grey 564	Azure 2660	Slate 568	Spruce 567
						
	Tuscany 2663	Sorbet 2658	Squash 2661	Safari 2662	Redwood 566	Sienna 565
						
	Halo 206	Quartz 082	Nectar 546	Mist 053		
						
Suspension Systems Only	Silver Satin 002	Plated Brass 065	Plated Chrome 066	Bronze 774		
						

System Performance

Load Carrying

Only DONN suspension systems meet the ASTM C635 standard for load compliance. CGC routinely tests DONN main tees to certify that they perform as stated, further strengthening DONN suspension systems as the industry leader in products and integrity.

The associated load ratings are:

Light Duty – 5 pounds per lineal foot.

Intermediate Duty – 12 pounds per lineal foot.

Heavy Duty – 16 pounds per lineal foot.

Per ASTM C635, a main tee is supported 48" o.c. and subjected to the load for its duty classification; the tee may not deflect more than 0.133", or L/360, where L equals the unsupported span.

Fire Resistance

Many DONN systems are designed for use in fire-rated applications, with available fire-notched main tees and heavier-gauge cross tees. CGC also offers the industry's only all-fire-rated suspension system, DX/DXL.

This system includes DX/DXL24 main tees and DXL216 and DXL424 cross tees, which may be used in both Class A and fire-rated installations. These versatile components help our customers by reducing their inventories, streamlining the planning and ordering processes, and simplifying the product line.

Special Applications

Some applications present exceptional functional requirements or are subject to stringent criteria mandated by third parties such as USDA. CGC offers several DONN systems that provide excellent design flexibility and meet the environmental demands found in some of the most challenging spaces:

Cleanrooms – contamination, humidity, pressure and airborne particles.

Indoor swimming pools – temperature and humidity.

Non-magnetic environments – standard suspension systems can interfere with the performance of MRI and other equipment that used or creates magnetic fields.

Food service areas – USDA/CFIA Food Safety Inspection Service requirements.

Restrooms and shower areas – temperature, humidity and wet cleaning.

Parking garages and exterior soffits – temperature, humidity and wet cleaning.

Laboratories – corrosive agents.

Materials

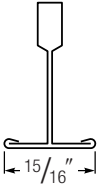



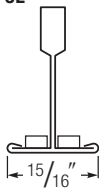


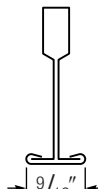


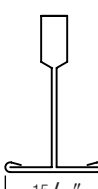


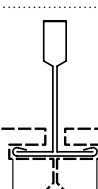


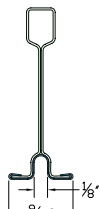

All CGC suspension systems – except those made from aluminum – feature a body and cap made of hot-dipped galvanized steel. To ensure that the cap remains attractive and rust-free for the long term, manufacturing includes an exclusive four-step coating process that outperforms the competition in paint adhesion and corrosion resistance, as proven by industry-standard salt spray tests conducted by an independent laboratory.


For extreme environments we offer the ZXLA system, with hot-dipped galvanized steel body and painted aluminum cap for additional corrosion and humidity resistance.

Aluminum is offered for wet-cleaned and non-magnetic applications such as food-processing areas, magnetic-free zones and MRI rooms.

Suspension System	Hot-Dipped Galvanized Steel	Aluminum	
AX		●	
CE	●		
CENTRICITEE DXT/DXLT	●		
DX/DXL	●		
DX/DXL Concealed	●		
MERIDIAN DXM	●		
DXW	●		
FINELINE DXF/DXLF	●		
FINELINE 1/8 DXFF	●		
ZXLA	● Body	● Cap	
CGC Drywall Suspension System	●		

Applications

Grid Profile	Load Ratings			Fire Rating	Special Environments								
	Heavy Duty	Intermediate Duty	Light Duty		Cleanrooms	Indoor Pools	Non-Magnetic Environments	Food Service	Restrooms	Shower Areas	Parking Garages	Exterior Soffits	Laboratories
System meets or exceeds load compliance specifications per ASTM C635													
AX													
CE													
CENTRICITEE DXT/DXLT													
DX/DXL													
DX/DXL Concealed													
Meridan™ DXM													

 **New DOWN Seismic Solutions**

Because DOWN Heavy Duty and Intermediate Duty main tees use the strongest-gauge steel and the most robust connection clips and splices—producing the tightest systems available with the greatest lateral and torsional stiffness—we can offer systems in both classes that meet IBC seismic design categories D, E, and F, including designs with 7/8-in. wall angle.

System meets or exceeds load compliance specifications per ASTM C635	Load Ratings			Fire Rating	Special Environments								
	Heavy Duty	Intermediate Duty	Light Duty		Cleanrooms	Indoor Pools	Non-Magnetic Environments	Food Service	Restrooms	Shower Areas	Parking Garages	Exterior Soffits	Laboratories
Grid Profile													
DXW 													
FINELINE DXF/DXLF 													
FINELINE 1/8 DXFF 													
ZXLA 													
CGC Drywall Suspension System 													

New Down Seismic Solutions

Because DOWN Heavy Duty and Intermediate Duty main tees use the strongest-gauge steel and the most robust connection clips and splices—producing the tightest systems available with the greatest lateral and torsional stiffness—we can offer systems in both classes that meet IBC seismic design categories D, E, and F, including designs with 7/8-in. wall angle.



Down AX Suspension System/
ECLIPSE Panels with CLIMAPLUS Performance

LEED Credits

Recycled Content: 95%

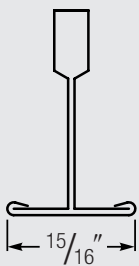
MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●				

Features and Benefits

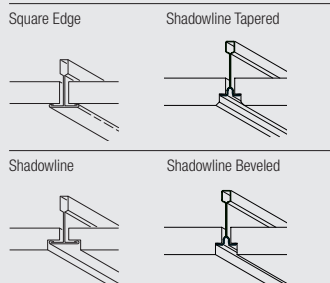
- Non-corrosive aluminum 15/16" exposed grid system ideal for high-humidity or wet-cleaned areas.
- Aluminum components can be used in non-magnetic environments and meet USDA/FSIS requirements.
- Patented QUICK-RELEASE™ cross tees.
- Cross-tee override ends resist twisting and give a professionally finished look.

Applications

- Food processing areas
- High-humidity areas
- Light-duty applications
- Magnetic-free zones
- MRI rooms




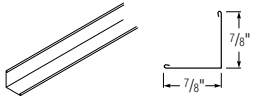
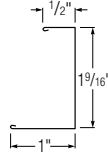
Profile



Edge Detail



Flat White

						Rated Load ^{2,3}			
		ASTM Class	Length	Height	Item No.	Class	Colour	3' Hanger Spacing	4' Hanger Spacing
System meets or exceeds load compliance specifications per ASTM C635									
15/16" Tee System	Main Tee	Light Duty	12'	1-1/2"	AX26	Class A	Flat White	12.0 lbs./LF	6.9 lbs./LF
	Cross Tee		2'	1-1/2"	AX224	Class A	Flat White		
			4'	1-1/2"	AX424	Class A	Flat White		
Wall Angle		Length	Item No.	Colour	Wall Angle	Length	Item No.	Colour	
Moulding ^{4,5}		12'	M7A	Flat White		10'	UA25	Flat White	

Physical Data/ Footnotes

Product literature

Data sheet# EGR-OG63

Material

Double web aluminum tee with aluminum cap and stainless steel QUICK-RELEASE Clip.

Recycled content

95%. For details, see the Sustainability selector.

Installation

Must be installed in compliance with ASTM C636, C15CA, and standard industry practices.

Limitations

Severe Environmental Requirements: For exposed grids in non-fire-rated, extreme-humidity applications, this system is acceptable.

ICC Evaluation Service, Inc., Report Compliance

Suspension systems manufactured by CGC Interiors, Inc., have been reviewed and are approved by listing in ICC-ES Evaluation Reports. Evaluation Reports are subject to reexamination, revision and possible cancellation. Please refer to usgdesignstudio.com for current reports.

L.A. Research Report Compliance

DOWN brand suspension systems manufactured by CGC Interiors, Inc., have been reviewed and are approved by listing in one or more of the following L.A. Research Report numbers: 22179, 23451, 24095.

The City of New York BSA and MEA Report Compliance

DOWN suspension systems have been approved by listing in one or more of the following City of New York Board of Standards and Appeals, and Department of Building, Material and Equipment Acceptance reports: BSA 618-60-SM, BSA 184-77-SM, BSA 796-81-SM, MEA 366-93-M, MEA 133-95-M, MEA 312-99-M, MEA 123-00-M.

ASTM C635 Standard for Load Compliance

This system meets or exceeds load compliance specifications per ASTM C635. Main tees will not deflect more than 1/8" over a 48" span (or L/360) in Light Duty, Intermediate Duty or Heavy Duty categories.

Footnotes

1. Dependent on location; contact your CGC representative.
2. Load test data shows uniform load in lbs./LF based on simple span tests in accordance with ASTM C635 deflection limit on L/360.
3. For more information on mouldings, see Perimeter Interface selector.
4. Panels must be specified to be field-cut to size and field-revealed to provide as wide a lay-on edge as possible.



DOWN CE Suspension System/
CLEAN ROOM Panels with CLIMAPLUS Performance—Class 100

LEED Credits

Recycled Content: 25%

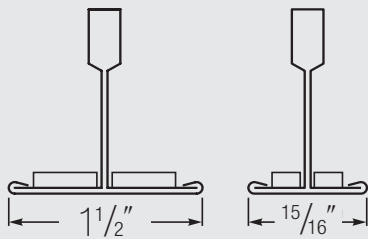
MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●				

Features and Benefits

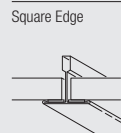
- Grid system with factory-applied closed-cell foam gaskets for controlled-environment rooms.
- Hot-dipped galvanized body provides unequalled corrosion protection.
- Certified for Class 100 cleanroom environment per Federal Standard 209(e).
- Meets or exceeds all national code requirements, including seismic.
- Supports cleanroom HEPA filters and lights.

Applications

- Controlled environments
- Hospitals
- Food processing areas
- Cleanrooms to Class 100



Profile



Edge Detail



Flat White

		ASTM Class	Length	Height	Item No.	Class	Colour	Seismic Zones		Seismic Solutions	Rated Load ^{2,3,4,5}		
								UBC	IBC	Categories D, E, F Alternate Method	4' Hanger Spacing	5' Hanger Spacing	6' Hanger Spacing
System meets or exceeds load compliance specifications per ASTM C635													
1-1/2" Tee System 	Main Tee	Heavy Duty	12'	1.64"	DXWCE26	Class A	Flat White	0-4	A-F	7/8" Moulding ACM7 Clip	16 lbs./LF	7.3 lbs./LF	4.9 lbs./LF
	Cross Tee 1-1/2" 		2'	1-1/2"	DXWCE224	Class A	Flat White	0-4	A-F	7/8" Moulding ACM7 Clip	65.0 lbs./LF		
			4'	1-1/2"	DXWCE424	Class A	Flat White	0-4	A-F	7/8" Moulding ACM7 Clip	13.8 lbs./LF		
15/16" Tee System 	Main Tee	Intermediate Duty	12'	1.64"	DXCE24	Class A	Flat White	0-4	A-F	7/8" Moulding ACM7 Clip	12 lbs./LF	6.1 lbs./LF	3.6 lbs./LF
	Cross Tee 		2'	1-1/2"	DXCE224	Class A	Flat White	0-4	A-F	7/8" Moulding ACM7 Clip			
			4'	1-1/2"	DXCE424	Class A	Flat White	0-4	A-F	7/8" Moulding ACM7 Clip			



New Donn Seismic Solutions

- Meets or exceeds all national code requirements with 7/8" wall moulding.
- Fulfills requirements for IBC seismic design categories A-F.
- Certified with maximum sq. ft. weights, representing complete ceiling systems.
- Compliance with IBC seismic design categories D, E, and F with CGC Intermediate Duty system without perimeter wires.

Wall Angle	Length	Item No.	Colour
Moulding^{6,7} 	12'	M7CE	Flat White
	10'	US28CE	Flat White

Physical Data/ Footnotes

Product literature

Data sheet# EGR-0G57

Material

Double-web hot-dipped galvanized steel body and hot-dipped galvanized steel cap.

Recycled content

25%. For details, see the Sustainability selector.

Installation

Must be installed in compliance with ASTM C636, C15CA, and standard industry practices.

Limitations

Severe Environmental Requirements: For exposed grids in non-fire-rated high-humidity applications, use aluminum or ZXL™ suspension systems.

For exterior applications, suspension should be reviewed by a structural engineer.

Not recommended with metal panels. If metal panels are used, a gasket may be applied to the CE suspension system through special order.

ICC Evaluation Service, Inc., Report Compliance

Suspension systems manufactured by CGC Interiors, Inc., have been reviewed and are approved by listing in ICC-ES Evaluation Reports. Evaluation Reports are subject to reexamination, revision and possible cancellation. Please refer to USGDesignStudio.com for current reports.

L.A. Research Report Compliance

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The City of New York BSA and MEA Report Compliance

Down suspension systems have been approved by listing in one or more of the following City of New York Board of Standards and Appeals, and Department of Building, Material and Equipment Acceptance reports: BSA 618-60-SM, BSA 184-77-SM, BSA 796-81-SM, MEA 366-93-M, MEA 133-95-M, MEA 312-99-M, MEA 123-00-M.

ASTM C635 Standard for Load Compliance

This system meets or exceeds load compliance specifications per ASTM C635. Main tees will not deflect more than 1/8" over a 48" span (or (L/360) in Light Duty, Intermediate Duty or Heavy Duty categories.

Testing

Particulate Test and Ceiling Integrity Tests per Federal Standard 209(e) are available from Technical Service.

Footnotes

1. Dependent on location; contact your CGC representative.
2. Load test data shows uniform load in lbs./LF based on simple span tests in accordance with ASTM C635 deflection limit on L/360.
3. Do not use standard lay-in light fixtures with this system.
4. HEPA filters must be supported at all four corners of grid module.
5. For more information on mouldings, see Perimeter Interface selector.
6. Panels must be field-cut to size at the perimeter.



DOWN CENTRICITEE DXT Suspension System/
ECLIPSE Panels with CLIMAPLUS Performance

LEED Credits

Recycled Content: 95%

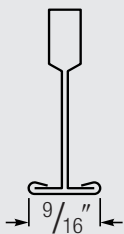
MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●				

Features and Benefits

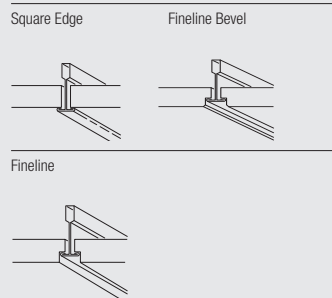
- 9/16" exposed grid offers clean aesthetic.
- Patented panel-centering device allows use of standard square edge panels.
- Cross-tees override ends resist twisting and ensure a finished look.
- Meets or exceeds all national code requirements, including seismic and fire-rated assemblies up to 2 hours. Design flexibility helps meet life safety codes.
- Patented QUICK-RELEASE™ cross tees.
- Optional integrated air diffuser.
- Custom colour available.

Applications

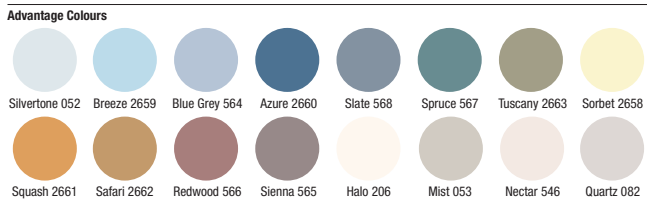
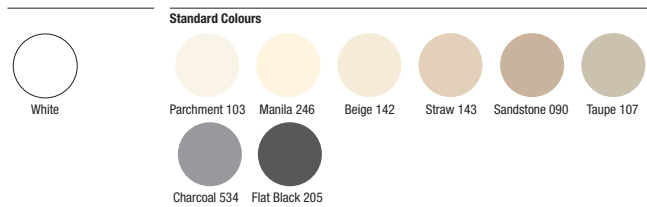
- Interior general-use areas.
- Fire-rated interior general-use areas.



Profile



Edge Detail



						Seismic Zones		Seismic Solutions		Rated Load ^{2,3}			
		ASTM Class	Length	Height	Item No. ⁴	Class	Colour ^{5,6}	UBC	IBC	Categories D, E, F Alternate Method	4' Hanger Spacing	5' Hanger Spacing	
System meets or exceeds load compliance specifications per ASTM C635													
9/16" Tee System	Main Tee	Intermediate Duty	140'	1-1/2"	DXT140	Class A	Flat White Standard Advantage	0-4	A-F	7/8" Moulding ACM7 Clip	12 lbs./LF	6.6 lbs./LF	
			12' 3600mm	1-1/2" 38mm	DXT24 DXLT3600	Class A	Flat White Standard Advantage	0-4	A-F	7/8" Moulding ACM7 Clip	12 lbs./LF	6.6 lbs./LF	
					DXLT24 DXLT3600		Flat White Standard Advantage	0-4	A-F	7/8" Moulding ACM7 Clip			
	Cross Tee 1-1/2"			2' 600mm	1-1/2" 38mm	DXT222 DXLT600	Class A	Flat White Standard Advantage	0-4	A-F	7/8" Moulding ACM7 Clip		
						DXLT222 DXLT600		Flat White Standard Advantage	0-4	A-F	7/8" Moulding ACM7 Clip		
				4' 1200mm	1-1/2" 38mm	DXT422 DXT1200	Class A	Flat White Standard Advantage	0-4	A-F	7/8" Moulding ACM7 Clip		
					DXLT424 DXLT1200		Flat White Standard Advantage	0-4	A-F	7/8" Moulding ACM7 Clip			
			5' 1500mm	1-1/2" 38mm	DXT524 DXT1500	Class A	Flat White Standard Advantage	0-4	A-F	7/8" Moulding ACM7 Clip			

New Down Seismic Solutions
 – Meets or exceeds all national code requirements with 7/8" wall moulding.
 – Fulfills requirements for IBC seismic design categories A-F.
 – Certified with maximum sq. ft. weights, representing complete ceiling systems.
 – Compliance with IBC seismic design categories D, E, and F with CGC Intermediate Duty system without perimeter wires.

Wall Angle	Length	Item No.	Colour	Wall Angle
Moulding⁷ 	12'	M9	Flat White Standard Advantage	
Shadowline⁸ 	12'	MS174	Flat White Standard Advantage	Shadowline

Physical Data/ Footnotes	<p>Product Literature Data sheet# EGR_OG64</p> <p>Material Double-web hot-dipped galvanized steel body; steel cap finished with four-step protective coating.</p> <p>Recycled content 25%. For details see the Sustainability selector.</p> <p>Installation Must be installed in compliance with ASTM C636, C15CA, and standard industry practices.</p>	<p>Limitations Severe Environmental Requirements: For exposed grids in non-fire-rated, extreme-humidity applications, use all-aluminum AX™ or ZXL™ suspension systems. For exterior applications, suspension should be reviewed by a structural engineer.</p> <p>ICC Evaluation Service, Inc., Report Compliance Suspension systems manufactured by CGC Interiors, Inc., have been reviewed and are approved by listing in ICC-ES Evaluation Reports. Evaluation Reports are subject to reexamination, revision</p>	<p>and possible cancellation. Please refer to usgdesignstudio.com for current reports.</p> <p>L.A. Research Report Compliance Down brand suspension systems manufactured by CGC Interiors, Inc., have been reviewed and are approved by listing in one or more of the following L.A. Research Report numbers: 22179, 23451, 24095.</p> <p>The City of New York BSA and MEA Report Compliance Down suspension systems have been approved by listing in one or more of the following City of New York</p>	<p>Board of Standards and Appeals, and Department of Building, Material and Equipment Acceptance reports: BSA 618-60-SM, BSA 184-77-SM, BSA 796-81-SM, MEA 366-93-M, MEA 133-95-M, MEA 312-99-M, MEA 123-00-M.</p> <p>ASTM C635 Standard for Load Compliance This system meets or exceeds load compliance specifications per ASTM C635. Main tees will not deflect more than 1/8" over a 48" span (or L/360) in Light Duty, Intermediate Duty or Heavy Duty categories.</p>	<p>Air diffusers Request AC272-290.</p> <p>Footnotes 1. Dependent on location; contact your CGC representative. 2. Load test data shows uniform load in lbs./LF based on simple span tests in accordance with ASTM C635 deflection limit on L/360. 3. Custom colour available. 4. For more information on mouldings, see the Perimeter Interface selector. 5. Panels must be specified to be field-cut to size and field-revealed to provide as wide a lay-on edge as possible.</p>
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Down DX/DXL Suspension System/
Eclipse Panels with CLIMAPLUS Performance

LEED Credits

Recycled Content: 95%

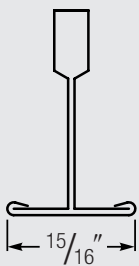
MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●				

Features and Benefits

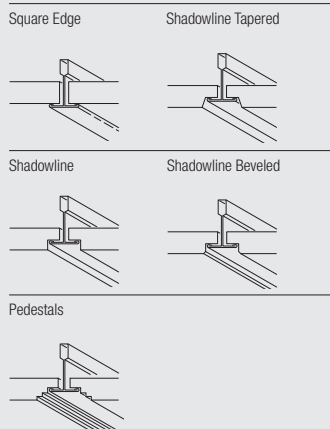
- 15/16" exposed tee system. Components for use in general and fire-rated applications.
- Maximum economy and design simplicity.
- DXL system features more than 80 UL designs (up to 3 hours).
- Cross-tee override ends resist twisting and give a professionally finished look.
- Meets or exceeds all national code requirements, including seismic.
- Patented QUICK-RELEASE™ cross tees.
- Custom colour available.

Applications

- Fire-rated, interior general use areas



Profile



Edge Detail

Standard Colours

- White
- Parchment 103
- Manila 246
- Beige 142
- Straw 143
- Sandstone 090
- Taupe 107
- Charcoal 534
- Flat Black 205

Advantage Colours

- Silvertone 052
- Breeze 2659
- Blue Grey 564
- Azure 2660
- Slate 568
- Spruce 567
- Tuscany 2663
- Sorbet 2658
- Squash 2661
- Safari 2662
- Redwood 566
- Sienna 565
- Halo 206
- Mist 053
- Nectar 546
- Quartz 082

		ASTM Class	Length	Height	Item No.	Class ⁴	Colour ⁵	Seismic Zones ²		Seismic Solutions		Rated Load ³		
								UBC	IBC	Categories D, E, F Alternate Method	4' Hanger Spacing	5' Hanger Spacing	6' Hanger Spacing ⁶	
System meets or exceeds load compliance specifications per ASTM C635														
	Main Tee	Intermediate Duty	12' 3600mm	1-1/2" 38mm	DX/DXL247/ DX/DXL3600		Flat White Standard Advantage	0-4	A-F	7/8" Moulding ACM7 Clip	12 lbs./LF	6.1 lbs./LF	3.6 lbs./LF	
		Heavy Duty	12'	1-1/2"	DX/DXL267		Flat White Standard Advantage	0-4	A-F	7/8" Moulding ACM7 Clip	16 lbs./LF	7.3 lbs./LF	4.9 lbs./LF	
	Cross Tee 1"		2' 600mm	1" 25mm	DX/DXL216/ DXL600		Flat White Standard Advantage	0-4	A-F	7/8" Moulding ACM7 Clip				
	Cross Tee 1-1/2"		4' 1200mm	1-1/2" 38mm	DX/DXL424/ DXL1200		Flat White Standard Advantage	0-4	A-F	7/8" Moulding ACM7 Clip				
				DX422⁹	Class A	Flat White Standard Advantage	0-4	A-F	7/8" Moulding ACM7 Clip					
				DX/DX416/ DX1200	Class A	Flat White Standard Advantage	0-4	A-F	7/8" Moulding ACM7 Clip					
		5' 1500mm	1-1/2" 38mm	DX/DXL524/ DXL1500		Flat White Standard Advantage	0-4	A-F	7/8" Moulding ACM7 Clip					



New Donn Seismic Solutions

- Meets or exceeds all national code requirements with 7/8" wall moulding.
- Fulfills requirements for IBC seismic design categories A-F.
- Certified with maximum sq. ft. weights, representing complete ceiling systems.
- Compliance with IBC seismic design categories D, E, and F with CGC Intermediate Duty system without perimeter wires.

Wall Angle ¹²	Length	Item No.	Colour	Wall Angle ¹²	Length	Item No.	Colour
	10'	M20SM-2	Flat White Standard Advantage		12' or 10'	M7	Flat White Standard Advantage
	10'	MS274⁵ 2" shelf for seismic	Flat White Standard Advantage		10'	M20⁵ M20HD Heavy Duty M20SM Seismic	Flat White Standard Advantage

Physical Data/ Footnotes

Product literature
 Data sheet# EGR-0G58

Material
 Double-web hot-dipped galvanized steel body; steel cap finished with four-step protective coating.

Recycled content
 25%. For details, see the Sustainability selector.

Installation
 Must be installed in compliance with ASTM C636, C15CA or standard industry practices, within all applicable code requirements. See UL Fire Resistance Directory for rated assembly details.

Limitations
 Severe Environmental Requirements: Panels in exposed grids in non-fire-

rated, high-humidity applications: use all-aluminum AX™ or ZXLA™ painted HDG suspension systems with aluminum cap. Panels in exposed grids in fire-rated, high-humidity applications: use ZXLA suspension systems. For all exterior applications, suspension should be reviewed by a structural engineer.

ICC Evaluation Service, Inc., Report Compliance
 Suspension systems manufactured by CGC Interiors, Inc., have been reviewed and are approved by listing in ICC-ES Evaluation Reports. Evaluation Reports are subject to reexamination, revision and possible cancellation. Please refer to usgdesignstudio.com for current reports.

L.A. Research Report Compliance
 Down brand suspension systems manufactured by CGC Interiors, Inc., have been reviewed and are approved by listing in one or more of the following L.A. Research Report numbers: 22179, 23451, 24095.

The City of New York BSA and MEA Report Compliance
 Down suspension systems have been approved by listing in one or more of the following City of New York Board of Standards and Appeals, and Department of Building, Material and Equipment Acceptance reports: BSA 618-60-SM, BSA 184-77-SM, BSA 796-81-SM, MEA 366-93-M, MEA 133-95-M, MEA 312-99-M, MEA 123-00-M.

ASTM C635 Standard for Load Compliance
 System meets or exceeds load compliance specifications per ASTM C635. Main tees will not deflect more than 1/8" over 48" span (or L/360) in Light Duty, Intermediate Duty or Heavy Duty categories.

Footnotes
 1. Dependent on location; contact your CGC representative.
 2. All DX/DXL main-tee and cross-tee connections meet IBC requirements for tension and compression strength.
 3. Load test data shows uniform load in lbs./LF based on simple span tests in accordance with ASTM C635 deflection limit of L/360. For detailing and module

loading, request AC269QRC.
 4. UL fire-rated listing, labeling and follow-up applies only to fire-rated components.
 5. Non-fire-rated only.
 6. Cross-tee hole punch spacings also available for 20" and 30" modules.
 7. Available in metric; add "ME" to Item No. Consult Customer Service for colours of metric tees.
 8. For mouldings information, see Perimeter Interface selector.
 9. Panels must be specified to be field-cut, field-revealed and to provide widest possible lay-on edge.
 10. For DXL, channel mouldings are also acceptable in some designs. Check UL Fire Resistance Directory for moulding options.



DOWN DX/DXL Concealed Suspension/
RADAR Panels

LEED Credits

Recycled Content: 95%

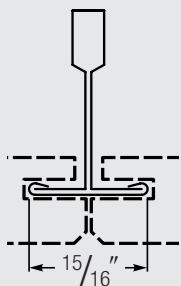
MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●				

Features and Benefits

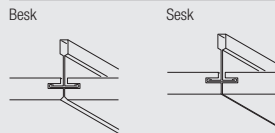
- Supporting grid is completely concealed, providing a monolithic, uninterrupted ceiling plane with up to 50% access to the plenum.
- Meets or exceeds all national code requirements, including seismic and fire-rated assemblies up to 3 hours. Design flexibility helps meet life safety codes.
- Hot-dipped galvanized steel body inhibits red rust.

Applications

- Interior general-use areas
- Fire-rated, interior general-use areas
- Retail stores



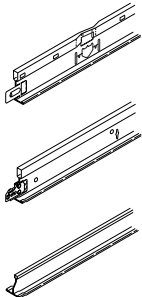



Profile



Edge Detail

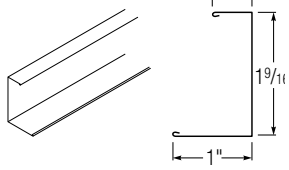


Flat White

	ASTM Class	Length	Height	Item No. ⁴	Class	Colour ⁵	Seismic Zones		Seismic Solutions	Rated Load ^{2,3}			
							UBC	IBC	Categories D, E, F Alternate Method	4' Hanger Spacing	5' Hanger Spacing	6' Hanger Spacing	
System meets or exceeds load compliance specifications per ASTM C635													
15/16" Tee System 	Main Tee	Intermediate Duty	12' 3600mm	1-1/2" 38mm	DX/DXL24 DX/DXL3600		Flat White	0-4	A-F	7/8" Moulding ACM7 Clip	12 lbs./LF	6.1 lbs./LF	3.6 lbs./LF
		Heavy Duty	12'	1.64"	DX26/ DXL26		Flat White	0-4	A-F	7/8" Moulding ACM7 Clip	16 lbs./LF	7.3 lbs./LF	4.9 lbs./LF
	Cross Tee 1-1/2"		4' 1200mm	1-1/2" 38mm	DX/DXL424/ DX/ DXL1200		Flat White	0-4	A-F	7/8" Moulding ACM7 Clip			
	Tee Spline 1"		4'	1"	DT416	Class A				7/8" Moulding ACM7 Clip			
					DE416	Class A				7/8" Moulding ACM7 Clip			

 **New Down Seismic Solutions**

- Meets or exceeds all national code requirements with 7/8" wall moulding.
- Certified with maximum sq. ft. weights, representing complete ceiling systems.
- Fulfills requirements for IBC seismic design categories A-F.
- Compliance with IBC seismic design categories D, E, and F with CGC Intermediate Duty system without perimeter wires.

Wall Angle	Length	Item No.	Colour
Moulding⁶ 	12'	US25	Flat White

Physical Data/ Footnotes

Product literature

Data sheet# EGR-OG65

Material

Fire-rated, double-web hot-dipped galvanized steel body; steel cap finished with four-step protective coating.

Recycled content

25%. For details see the Sustainability selector.

Installation

Must be installed in compliance with ASTM C636, CISCA, and standard industry practices.

Limitations

Severe Environmental Requirements: For exposed grids in non-fire-rated, high-humidity applications, use all-aluminum AX™ or ZXLA™ painted HDG with aluminum cap suspension systems. For exterior applications, suspension should be reviewed by a structural engineer.

ICC Evaluation Service, Inc., Report Compliance

Suspension systems manufactured by CGC Interiors, Inc., have been reviewed and are approved by listing in ICC-ES Evaluation Reports. Evaluation Reports are subject to reexamination, revision and possible cancellation. Please refer to usgdesignstudio.com for current reports.

L.A. Research Report Compliance

Down brand suspension systems manufactured by CGC Interiors, Inc., have been reviewed and are approved by listing in one or more of the following L.A. Research Report numbers: 22179, 23451, 24095.

The City of New York BSA and MEA Report Compliance

Down suspension systems have been approved by listing in one or more of the following City of New York Board of Standards and Appeals, and Department of Building, Material and Equipment Acceptance reports:

BSA 618-60-SM, BSA 184-77-SM, BSA 796-81-SM, MEA 366-93-M, MEA 133-95-M, MEA 312-99-M, MEA 123-00-M.

ASTM C635 Standard for Load Compliance

This system meets or exceeds load compliance specifications per ASTM C635. Main tees will not deflect more than 1/8" over a 48" span (or L/360) in Light Duty, Intermediate Duty or Heavy Duty categories.

Footnotes

1. Dependent on location; contact your CGC representative.
2. Load test data shows uniform load in lbs./LF based on simple span tests in accordance with ASTM C635 deflection limit on L/360.
3. For more information on mouldings and complete section detail, see the Perimeter Interface selector.



MERIDIAN DXM Suspension System/
ECLIPSE Panels with CLIMAPLUS Performance

LEED Credits

Recycled Content: 25%

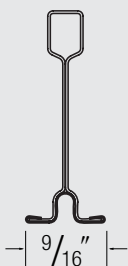
MR			EQ			
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●				

Features and Benefits

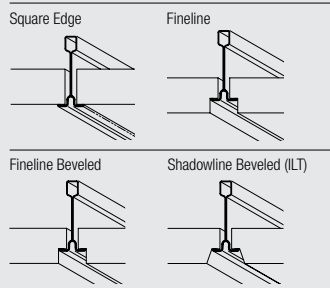
- Narrow-faced, 9/16" reveal grid system with aesthetic of more expensive slotted grid.
- Rounded 1/8" reveal softens the effect of grid lines.
- Manufactured to resist both red rust and white corrosion.
- Meets or exceeds all national code requirements, including seismic and fire-rated assemblies up to 2 hours. Design flexibility helps meet life safety codes.
- Lifetime limited warranty when used with CGC ceiling panels ensures owner satisfaction.

Applications

- Interior general-use areas





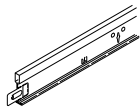
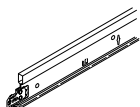
Profile



Edge Detail



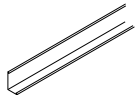
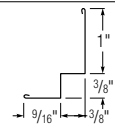
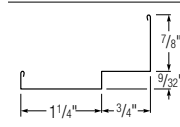
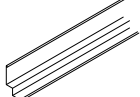
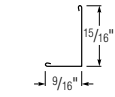
White

	ASTM Class	Length	Height	Item No. ⁴	Class	Color ^{5,6}	Seismic Zones		Seismic Solutions	Rated Load ^{2,3}		
							UBC	IBC	Categories D, E, F Alternate Method	4' Hanger Spacing	5' Hanger Spacing	
												
9/16" Tee System  	Main Tee	Intermediate Duty	12' 3600 mm	1-1/2" 38 mm	DXM24 3600 mm	Class A	Flat White Standard Advantage	0-4	A-F	7/8" Moulding ACM7 Clip	12 lbs./LF	6.6 lbs./LF
	Cross Tee 1-1/2"		2' 600 mm	1-1/2" 38 mm	DXM224 (DXM600)	Class A	Flat White Standard Advantage	0-4	A-F	7/8" Moulding ACM7 Clip		
			4' 1200 mm	1-1/2" 38 mm	DXM424 (DXM1200)	Class A	Flat White Standard Advantage	0-4	A-F	7/8" Moulding ACM7 Clip		
					DXLT424	Class A	Flat White Standard Advantage	0-4	A-F	7/8" Moulding ACM7 Clip		
			5' 1500 mm	1 1/2" 38 mm	DXM524 (DXM1500)	Class A	Flat White Standard Advantage	0-4	A-F	7/8" Moulding ACM7 Clip		



New Donn Seismic Solutions

- Meets or exceeds all national code requirements with 7/8" wall molding.
- Fulfills requirements for IBC seismic design categories A-F.
- Certified with maximum sq. ft. weights, representing complete ceiling systems.
- Compliance with IBC seismic design categories D, E, and F with USG Intermediate Duty system without perimeter wires.

	Wall Angle	Length	Item No.	Color	Wall Angle
Moulding⁷ 		10'	M9	Flat White Standard Advantage	
Shadowline⁸ 		12'	MS174	Flat White Standard Advantage	Shadowline

**Physical Data/
Footnotes**

Product literature
 Data sheet: EGR_0G69

Material
 Double-web hot-dipped galvanized steel body; steel cap finished with four-step protective coating.

Recycled content
 25%. For details see the Sustainability selector.

Installation
 Must be installed in compliance with ASTM C636, CISCA, and standard industry practices.

Limitations
 Severe Environmental Requirements: For exposed grids in non-fire-rated, extreme-humidity applications, use all-aluminum AX™ or ZXLA™ suspension systems. For exterior applications, suspension should be reviewed by a structural engineer.

ASTM C635 Standard for Load Compliance
 This system meets or exceeds UL load compliance specifications per ASTM C635. Main tees will not deflect more than 1/8" over a 48" span (or L/360) in Light Duty, Intermediate Duty or Heavy Duty categories.

Air diffusers
 Contact your local CGC Sales Representative.

- Footnotes**
1. Dependent on location; contact your CGC representative.
 2. Load test data shows uniform load in lbs./LF based on simple span tests in accordance with ASTM C635 deflection limit on L/360.
 3. Custom color available.
 4. For more information on moldings, see the Perimeter Interface selector.
 5. Panels must be specified to be field-cut to size and field-revealed to provide as wide a lay-on edge as possible.



DOWN DXW Suspension System/
ECLIPSE Panels with CLIMAPLUS Performance

LEED Credits

Recycled Content: 95%

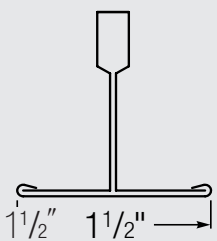
MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●				

Features and Benefits

- 1-1/2" exposed grid system. Design alternative for high-bay areas and large panel modules.
- Cross-tee override ends resist twisting and give a professionally finished look.
- Meets or exceeds all national code requirements, including seismic. Design flexibility helps meet life safety codes.
- Patented QUICK-RELEASE™ cross tees.
- Custom colour available.

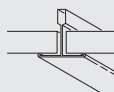
Applications

- Interior general-use areas
- High-bay areas
- Large-module ceilings



Profile

Square Edge



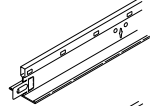
Edge Detail



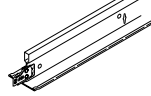
Flat White

System meets or exceeds load compliance specifications per ASTM C635

1-1/2" Tee System Main Tee



Cross Tee 1-1/2"



ASTM Class	Length	Height	Item No.	Class	Colour ⁴	Seismic Zones		Seismic Solutions		Rated Load ^{2,3}		
						UBC	IBC	Categories D, E, F Alternate Method	4' Hanger Spacing	5' Hanger Spacing	6' Hanger Spacing	
Heavy Duty	12'	1-1/2"	DXW26	Class A	Flat White	0-4	A-F	7/8" Moulding ACM7 Clip	16 lbs./LF	7.3 lbs./LF	4.9 lbs./LF	
	2'	1-1/2"	DXW224	Class A	Flat White	0-4	A-F	7/8" Moulding ACM7 Clip	65.0 lbs./LF			
	4'	1-1/2"	DXW424	Class A	Flat White	0-4	A-F	7/8" Moulding ACM7 Clip	13.8 lbs./LF			



New Down Seismic Solutions

- Meets or exceeds all national code requirements with 7/8" wall moulding.
- Fulfills requirements for IBC seismic design categories A-F.
- Certified with maximum sq. ft. weights, representing complete ceiling systems.
- Compliance with IBC seismic design categories D, E, and F with CGC Intermediate Duty system without perimeter wires.

Wall Angle	Length	Item No.	Colour ⁴	Wall Angle	Length	Item No.	Colour ⁴
Moulding ^{5,6}	12'	M7	Flat White				
	12'	M12	Flat White		10'	M20	Flat White

Physical Data/ Footnotes

Product literature

Data sheet# EGR-0G59

Material

Double-web hot-dipped galvanized steel body; steel cap finished with four-step protective coating.

Recycled content

25%. For details, see the Sustainability selector.

Installation

Must be installed in compliance with ASTM C636, C15CA, and standard industry practices.

Limitations

Severe Environmental Requirements: For exposed grids in non-fire-rated, high-humidity applications, use aluminum or ZXLA™ suspension systems. For exterior applications, suspension should be reviewed by a structural engineer.

ICC Evaluation Service, Inc., Report Compliance

Suspension systems manufactured by CGC Interiors, Inc., have been reviewed and are approved by listing in ICC-ES Evaluation Reports. Evaluation Reports are subject to reexamination, revision and possible cancellation. Please refer to USGDesignStudio.com for current reports.

L.A. Research Report Compliance

Down brand suspension systems manufactured by CGC Interiors, Inc., have been reviewed and are approved by listing in one or more of the following L.A. Research Report numbers: 22179, 23451, 24095.

The City of New York BSA and MEA Report Compliance

Down suspension systems have been approved by listing in one or more of the following City of New York Board of Standards and Appeals, and Department of Building, Material and Equipment Acceptance reports:

BSA 618-60-SM, BSA 184-77-SM, BSA 796-81-SM, MEA 366-93-M, MEA 133-95-M, MEA 312-99-M, MEA 123-00-M.

ASTM C635 Standard for Load Compliance

This system meets or exceeds load compliance specifications per ASTM C635. Main tees will not deflect more than 1/8" over a 48" span (or (L/360) in Light Duty, Intermediate Duty or Heavy Duty categories.

Footnotes

1. Dependent on location; contact your CGC representative.
2. Load test data shows uniform load in lbs./LF based on simple span tests in accordance with ASTM C635 deflection limit on L/360.
3. Custom colour available.
4. For more information on mouldings, see Perimeter Interface selector.
5. Panels must be field-cut to size at the perimeter.



DOWN FINELINE DXF Suspension System/
ECLIPSE Panels with CLIMAPLUS Performance

LEED Credits

Recycled Content: 95%

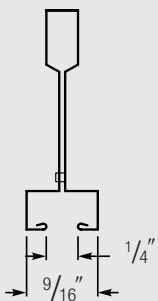
MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●				

Features and Benefits

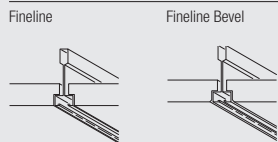
- Narrow-profile, slotted grid system with 1/4" reveal provides streamlined appearance.
- Reveal accommodates partition attachments and pendant-mounted light fixtures.
- Mitered intersections offer a clean, tailored appearance.
- Meets or exceeds all national code requirements, including seismic and fire-rated assemblies up to 1 hour.
- Optional integrated air diffuser.
- Accepts metal ceiling panels for ceiling-area accents without changing grid system.
- Custom colour available.

Applications

- All interior general use areas
- Fire-rated, interior general-use areas



Profile



Edge Detail



						Seismic Zones		Seismic Solutions		Rated Load ^{2,3,4}			
		ASTM Class	Length	Height	Item No. ⁵	Class	Colour ⁶	UBC	IBC	Categories D, E, F Alternate Method	4' Hanger Spacing	5' Hanger Spacing	6' Hanger Spacing
System meets or exceeds load compliance specifications per ASTM C635													
9/16" Tee System	Main Tee^{7,8}	Intermediate Duty	10' 3000mm	1-25/32" 4.5mm	DXF2930 ⁹ DXF3000	Class A	Flat White	0-4	A-F	7/8" Moulding ACM7 Clip	12 lbs./LF	6.6 lbs./LF	3.6 lbs./LF
		Intermediate Duty	12' 3600mm	1-25/32" 4.5mm	DXF2924 DXF3600	Class A	Flat White	0-4	A-F	7/8" Moulding ACM7 Clip	12 lbs./LF	6.6 lbs./LF	3.6 lbs./LF
					DXLF2924 DXLF3600		Flat White	0-4	A-F	7/8" Moulding ACM7 Clip			
		Heavy Duty	12' 3600mm	1-25/32" 4.5mm	DXFH2924 DXFH3600	Class A	Flat White	0-4	A-F	7/8" Moulding ACM7 Clip	16 lbs./LF	8.3 lbs./LF	4.9 lbs./LF
	Cross Tee¹¹		2' 600mm	1-25/32" 4.5mm	DXF229 DXF600	Class A	Flat White	0-4	A-F	7/8" Moulding ACM7 Clip			
					DXLF229 DXLF600		Flat White	0-4	A-F	7/8" Moulding ACM7 Clip			
			4' 1200mm	1-25/32" 4.5mm	DXF429N ¹² DXF1200N	Class A	Flat White	0-4	A-F	7/8" Moulding ACM7 Clip			
					DXF429S ¹³ DXF1200S	Class A	Flat White	0-4	A-F	7/8" Moulding ACM7 Clip			
					DXF429 DXF1200	Class A	Flat White	0-4	A-F	7/8" Moulding ACM7 Clip			
			5' 1500mm	1-25/32" 4.5mm	DXF529N ¹² DXF1500N	Class A	Flat White	0-4	A-F	7/8" Moulding ACM7 Clip			

New Down Seismic Solutions

- Meets or exceeds all national code requirements with 7/8" wall moulding.
- Fulfills requirements for IBC seismic design categories A-F.
- Certified with maximum sq. ft. weights, representing complete ceiling systems.
- Compliance with IBC seismic design categories D, E, and F with CGC Intermediate Duty system without perimeter wires.

Wall Angle	Length	Item No.	Colour	Wall Angle	Length	Item No.	Colour
Moulding^{14,15} 	10'	M9	Flat White Standard Advantage	Moulding 		12'	MS174 Flat White Standard Advantage

Physical Data/ Footnotes

Product literature
 Data sheet# EGR-OG66

Material
 Double-web hot-dipped galvanized steel tee.

Recycled content
 25%. For details, see the Sustainability selector.

Installation
 Must be installed in compliance with ASTM C636, C1SCA, and standard industry practices.

Limitations
 Severe Environmental Requirements: For exposed grids in non-fire-rated, high-humidity applications, use AX™ or ZXL™ painted suspension systems. For exterior applications, suspension should be reviewed by a structural engineer.

ICC Evaluation Service, Inc., Report Compliance
 Suspension systems manufactured by CGC Interiors, Inc., have been reviewed and are approved by listing in ICC-ES Evaluation Reports. Evaluation Reports are subject to reexamination, revision and possible cancellation. Please refer to USGDesignStudio.com for current reports.

L.A. Research Report Compliance
 Down brand suspension systems manufactured by CGC Interiors, Inc., have been reviewed and are approved by listing in one or more of the following L.A. Research Report numbers: 22179, 23451, 24095.

The City of New York BSA and MEA Report Compliance
 Down suspension systems have been approved by listing in one or more of the following City of New York Board of Standards and Appeals, and Department of Building, Material and Equipment Acceptance reports: BSA 618-60-SM, BSA 184-77-SM, BSA 796-81-SM, MEA 366-93-M, MEA 133-95-M, MEA 312-99-M, MEA 123-00-M.

ASTM C635 Standard for Load Compliance
 This system meets or exceeds load compliance specifications per ASTM C635. Main tees will not deflect more than 1/8" over a 48" span (or (L/360) in Light Duty, Intermediate Duty or Heavy Duty categories.

- Footnotes**
1. Dependent on location; contact your CGC representative.
 2. Hanger wire spacing and locations must be per the UL design.
 3. Load test data shows uniform load in lbs./LF based on simple span tests in accordance with ASTM C635 deflection limit on L/360.
 4. Some products are available in metric. Call Customer Service for details.
 5. Custom colour available.
 6. Standard main tee is notched 24" o.c. but has cross-tee holes 12" o.c.
 7. Cross-tee hole spacings available for 24", 30", and 48" modules except DXLF.
 8. Notched 30" o.c.
 9. Notched 48" o.c.

10. Cross tees also available in 1' and 30" lengths.
11. N = Notch at midpoint.
12. Midpoint notch on one side only to accommodate light fixtures.
13. For more information about mouldings, see Perimeter Interface selector.
14. Panels must be field-cut to size at the perimeter.

Fineline® 1/8 DXFF



10

Year Availability



DOWN FINELINE DXF Suspension System/
ECLIPSE Panels with CLIMAPLUS Performance

LEED Credits

Recycled Content: 95%

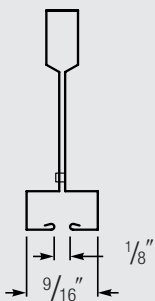
MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●				

Features and Benefits

- Narrow-profile, slotted grid system with 1/8" reveal provides streamlined appearance.
- Reveal accommodates partition attachments and pendant-mounted light fixtures.
- Mitered intersections offer a clean, tailored appearance.
- Meets or exceeds all national code requirements, including seismic and fire-rated assemblies up to 1 hour.
- Optional integrated air diffuser.
- Accepts metal ceiling panels for ceiling-area accents without changing grid system.
- Custom colour available.

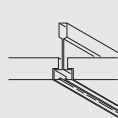
Applications

- All interior general use areas
- Fire-rated, interior general use areas

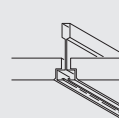


Profile

Fineline



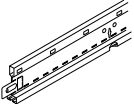
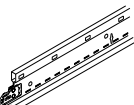
Fineline Bevel



Edge Detail



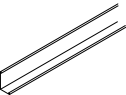

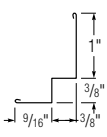
Flat White

	ASTM Class	Length	Height	Item No.	Class	Colour ⁴	Seismic Zones		Seismic Solutions	Rated Load ^{2,3}			
							UBC	IBC	Categories D, E, F Alternate Method	4' Hanger Spacing	5' Hanger Spacing	6' Hanger Spacing	
System meets or exceeds load compliance specifications per ASTM C635													
9-16" Tee System  	Main Tee⁵	Intermediate Duty	10'	1-25/32"	DXFF2930 ⁶	Class A	Flat White	0-4	A-F	7/8" Moulding ACM7 Clip	12 lbs./LF	6.5 lbs./LF	3.6 lbs./LF
			12'	1-25/32"	DXFF2924 ⁷	Class A	Flat White	0-4	A-F	7/8" Moulding ACM7 Clip	12 lbs./LF	6.5 lbs./LF	3.6 lbs./LF
			Heavy Duty	12'	1-25/32"	DXFFH2924	Class A	Flat White	0-4	A-F	7/8" Moulding ACM7 Clip	16 lbs./LF	8.3 lbs./LF
	Cross Tee⁸		2'	1-25/32"	DXFF229	Class A	Flat White	0-4	A-F	7/8" Moulding ACM7 Clip			
			4'	1-25/32"	DXFF429 ⁹ DXFF429N DXFF429S ¹⁰	Class A	Flat White	0-4	A-F	7/8" Moulding ACM7 Clip			



New Donn Seismic Solutions

- Meets or exceeds all national code requirements with 7/8" wall moulding.
- Fulfills requirements for IBC seismic design categories A-F.
- Certified with maximum sq. ft. weights, representing complete ceiling systems.
- Compliance with IBC seismic design categories D, E, and F with CGC Intermediate Duty system without perimeter wires.

Wall Angle	Length	Item No.	Colour ⁴
Moulding^{11,12}  	10'	M9	Flat White
Shadowline¹⁰  	12'	MS174	Flat White

Physical Data/ Footnotes

Product literature

Data sheet# EGR-OG60

Material

Double-web hot-dipped galvanized steel tee.

Recycled content

25%. For details, see the Sustainability selector.

Installation

Must be installed in compliance with ASTM C636, C15CA, and standard industry practices.

Limitations

Severe Environmental Requirements: For exposed grids in non-fire-rated, high-humidity applications, use AX™

or Z/LA™ suspension systems. For exterior applications, suspension should be reviewed by a structural engineer.

ICC Evaluation Service, Inc., Report Compliance

Suspension systems manufactured by CGC Interiors, Inc., have been reviewed and are approved by listing in ICC-ES Evaluation Reports. Evaluation Reports are subject to reexamination, revision and possible cancellation. Please refer to USGDesignStudio.com for current reports.

L.A. Research Report Compliance

Donn brand suspension systems manufactured by CGC Interiors, Inc., have been reviewed and are approved by listing in one or more of the following L.A. Research Report numbers: 22179, 23451, 24095.

The City of New York BSA and MEA Report Compliance

Donn suspension systems have been approved by listing in one or more of the following City of New York Board of Standards and Appeals, and Department of Building, Material and Equipment Acceptance reports: BSA 618-60-SM, BSA 184-77-SM, BSA 796-81-SM, MEA 366-93-M, MEA 133-95-M, MEA 312-99-M, MEA 123-00-M.

ASTM C635 Standard for Load Compliance

This system meets or exceeds load compliance specifications per ASTM C635. Main tees will not deflect more than 1/8" over a 48" span (or (L/360) in Light Duty, Intermediate Duty or Heavy Duty categories.

Footnotes

1. Dependent on location; contact your CGC representative.
2. Load test data shows uniform load in lbs./LF based on simple span tests in accordance with ASTM C635 deflection limit on L/360.
3. Custom colour available.
4. Cross-tee notches available in 24", 30", and 48" modules. Standard

is 24" o.c.

5. Notched 30" o.c.

6. Notched 48" o.c.

7. Cross tees also available in 30", 1', and 5' lengths.

8. N = Notch at midpoint.

9. Midpoint notch on one side only to accommodate light fixtures.

10. For more information on mouldings, see Perimeter Interface selector.

11. Panels must be field-cut to size at the perimeter.



DOWN ZXLA Suspension System/
ECLIPSE Panels with CLIMAPLUS Performance

LEED Credits

Recycled Content: 95%

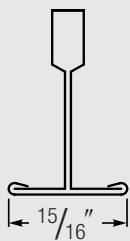
MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●				

Features and Benefits

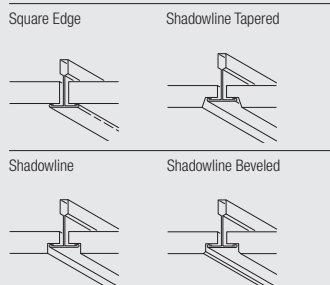
- 15/16" exposed, hot-dipped galvanized grid system with aluminum cap, ideal for use in extreme environments.
- Polyester paint finish and stainless steel clip provide unequalled corrosion protection.
- Meets or exceeds all national code requirements, including seismic and fire-rated assemblies up to 2 hours. Design flexibility helps meet life safety codes.
- Aluminum-capped grid system, suitable for use in food processing areas, meets USDA/FSIS requirements.
- Patented QUICK-RELEASE™ cross tees.
- Custom colour available.

Applications

- Exterior soffits
- Fire-rated service environments
- Industrial applications



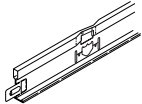
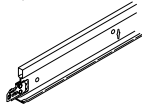




Profile



Edge Detail



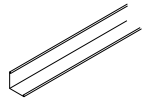
Flat White

	ASTM Class	Length	Height	Item No.	Class	Colour ⁵	Seismic Zones		Seismic Solutions	Rated Load ^{2,3,4}		
							UBC	IBC	Categories D, E, F Alternate Method	4' Hanger Spacing	5' Hanger Spacing	6' Hanger Spacing
System meets or exceeds load compliance specifications per ASTM C635												
15/16" Tee System Main Tee  	Intermediate Duty ³	12'	1-1/2"	ZXLA24		Flat White	0-4	A-F	 7/8" Moulding ACM7 Clip	12 lbs./LF	6.1 lbs./LF	3.6 lbs./LF
		2'	1-1/2"	ZXLA224		Flat White	0-4	A-F	7/8" Moulding ACM7 Clip			
		4'	1-1/2"	ZXLA424		Flat White	0-4	A-F	7/8" Moulding ACM7 Clip			



New Donn Seismic Solutions

- Meets or exceeds all national code requirements with 7/8" wall moulding.
- Fulfills requirements for IBC seismic design categories A-F.
- Certified with maximum sq. ft. weights, representing complete ceiling systems.
- Compliance with IBC seismic design categories D, E, and F with CGC Intermediate Duty system without perimeter wires.

Wall Angle	Length	Item No.	Colour ⁵
Moulding^{6,7} 	12'	M7Z	Flat White

Physical Data/ Footnotes

Product literature

Data sheet# EGR-OG67

Material

Double-web, hot-dipped galvanized, painted steel tee with painted aluminum cap.

Recycled content

25%. For details, see the Sustainability selector.

Installation

Must be installed in compliance with ASTM C636, CISCA, and standard industry practices.

Limitations

Severe Environmental Requirements: For exterior applications, suspension should be reviewed by a structural engineer.

ICC Evaluation Service, Inc., Report Compliance

Suspension systems manufactured by CGC Interiors, Inc., have been reviewed and are approved by listing in ICC-ES Evaluation Reports. Evaluation Reports are subject to reexamination, revision and possible cancellation. Please refer to USGDesignStudio.com for current reports.

L.A. Research Report Compliance

Down brand suspension systems manufactured by CGC Interiors, Inc., have been reviewed and are approved by listing in one or more of the following L.A. Research Report numbers: 22179, 23451, 24095.

The City of New York BSA and MEA Report Compliance

Down suspension systems have been approved by listing in one or more of the following City of New York Board of Standards and Appeals, and Department of Building, Material and Equipment Acceptance reports: BSA 618-60-SM, BSA 184-77-SM, BSA 796-81-SM, MEA 366-93-M, MEA 133-95-M, MEA 312-99-M, MEA 123-00-M.

ASTM C635 Standard for Load Compliance

This system meets or exceeds load compliance specifications per ASTM C635. Main tees will not deflect more than 1/8" over a 48" span (or (L/360) in Light Duty, Intermediate Duty or Heavy Duty categories.

Footnotes

1. Dependent on location; contact your CGC representative.
2. Hanger wire spacing and locations must be per the UL design.
3. Load test data shows uniform load in lbs./LF based on simple span tests in accordance with ASTM C635 deflection limit on L/360.

4. Custom colour available.
5. For more information on mouldings, see Perimeter Interface selector.
6. Panels must be specified to be field-cut to size and field-revealed to provide as wide a lay-on edge as possible.

CGC™ Drywall Suspension System – Flat Ceilings



CGC Drywall Suspension System/
SHEETROCK Gypsum Panels

LEED Credits

Recycled Content: 25%

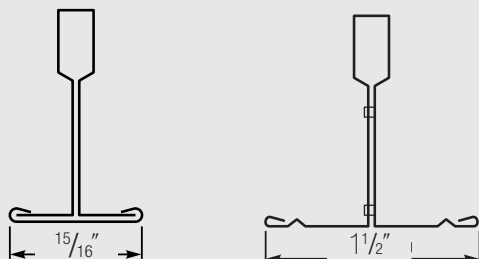
MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●				

Features and Benefits

- Pre-engineered, hot-dipped galvanized system eliminates labor-intensive superstructure and allows easy transitions.
- More than 60 UL fire-resistive designs. Assemblies available to meet STC and IIC requirements.
- Accepts Type F and Type G light fixtures.
- Assembly selector with downloadable revit files available at www.usgdesignstudio.com.

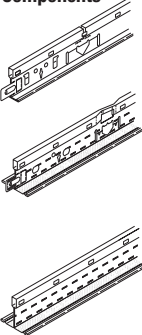
Applications

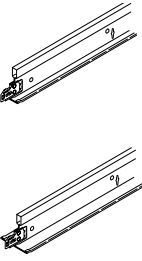
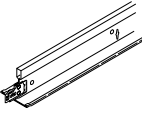
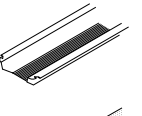
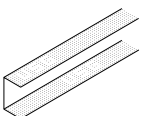

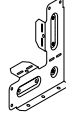
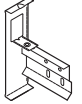

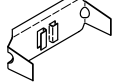
- Exterior soffits
- Fire-rated, interior general use areas
- All interior general use areas
- Corridors



Profiles

System meets or exceeds load compliance specifications per ASTM C635

System Components		ASTM Class	Length	Height	Item No.	Class	Seismic Zones		Rated Load ^{2,3}					
							UBC	IBC	Hanger Spacing – lbs./LF					
									24"		36"		48"	
L/240	L/360	L/240	L/360	L/240	L/360									
	Straight Main Tees	Heavy Duty	12'	1-1/2"	DGL26	Class A	0-4	A-F	192	128	57	38	24	16
	DGLW	Heavy Duty	12'	1.617"	DGLW26⁴	Class A	0-4	A-F	192	128	57	38	24	16
	Wall-to-Wall System Straight Tee**	Heavy Duty	6' to 14'	1.617"	DGLW26s	Class A	0-4	A-F	239	159	71	47	30	20

											Span L/360 lbs./LF	
											Span	Value
	Cross Tees	DGL	—	2'	1-1/2"	DGL224	Class A	0-4	A-F	24"	81.3	
			—	4'	1-1/2"	DGL424	Class A	0-4	A-F	48"	13	
		DGLW	—	2'	1-1/2"	DGLW224	Class A	0-4	A-F	24"	73.2	
			—	26"	1-1/2"	DGLW2624⁴	Class A	0-4	A-F	26"	57	
			—	4'	1-1/2"	DGLW424	Class A	0-4	A-F	48"	12.1	
			—	50"	1-1/2"	DGLW50⁴	Class A	0-4	A-F	50"	11	
	DGLW	—	72"	1-1/2"	DGW624	Class A	0-4	A-F	72"	4.45		
		Cross Channel	—	4'	7/8"	DGCL4	Class A	0-4	A-F	48"	6.9	
	Moldings	—	12'	—	DGWM24	—	0-4	A-F	—	—		
		—	12'	—	DGCM27	—	0-4	A-F	—	—		
Accessories	DGSC180 Splice Clip*	DGTC90 Transition Clip	DGC4, DGC6, DGC8 COMPASSO™ Drywall Clip			DGWC Wall Attachment Clip	DGSP180 Splice Plate					
												

Physical Data/ Footnotes

Product Literature
 Data Sheet: AC3117
 Data Sheet#EGR_0G81
 Data Sheet#EGR_0G62
Finishes
 Hot dipped galvanized.
Material
 Double-web tee, hot-dipped galvanized steel.

Recycled content
 25%
Installation
 Must be installed in compliance with ASTM C636, CISCA, and standard industry practices

IC80 Evaluation Report Compliance
 Suspension systems manufactured by CGC Interiors, Inc. have been reviewed and are approved by listing ICC-ES Evaluation Reports. Evaluation Reports are subject to reexamination, revision and possible cancellation. Please refer to usgdesignstudio.com for current reports

Footnotes
 1. Dependent on location, contact your USG representative.
 2. Products tested and in compliance with ASTM C635 L/360 deflection limits
 3. Load data shown based on L/240 deflection limits

4. for detailing and module loading, request or visit USGDesignStudio.com
 5. DGLW26 main tees and DGLW2624 and DGLW50 cross tees feature special punching and cross-tee lengths to accommodate Type F fixtures.

CGC™ Drywall Suspension System – Curved Ceilings



CGC Drywall Suspension System/
SHEETROCK Gypsum Panels

LEED Credits

Recycled Content: 95%

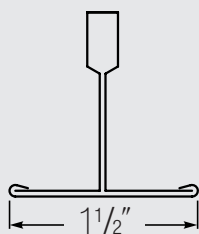
MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●				

Features and Benefits

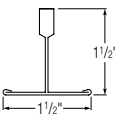
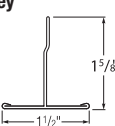
- Drywall suspension system simplifies the design and construction of curved drywall ceilings.
- Pre-engineered curves ensure correct installation.
- Custom components allow easy changes in ceiling elevations and transitions between ceiling types.
- Hot-dipped galvanized system suitable for interior and exterior applications.

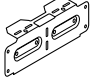

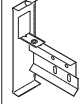

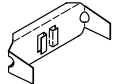

Applications

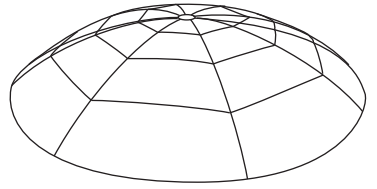
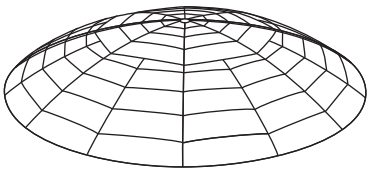
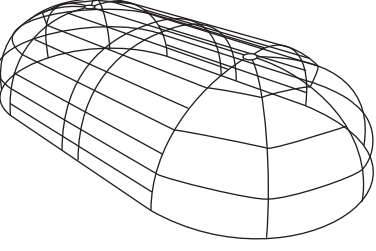
- General-use areas
- Domes, round and elliptical
- Groin vaults
- Curved soffits



Profile

							Rated Load ²							
							Class	2' Hanger Spacing	4' Hanger Spacing					
							ASTM Class per C635	Radius	Arc Length	Height	Item No. ³	Class	2' Hanger Spacing	4' Hanger Spacing
System meets or exceeds load compliance specifications per ASTM C635														
System Components	Curved Main Tees	Vault		16 lbs. ⁴	31"-44"	6'	1-1/2"	DGW6VTxxx	Class A		16.0 lbs./LF			
			16 lbs. ⁴	45"-60"	8'	1-1/2"	DGW8VTxxx	Class A	16.0 lbs./LF					
			16 lbs. ⁴	61"-72"	10'	1-1/2"	DGW10VTxxx	Class A	16.0 lbs./LF					
			16 lbs. ⁴	73"-91"	10'	1-1/2"	DGW10VTxxx	Class A	16.0 lbs./LF					
			16 lbs. ⁴	92"-239"	10'	1-1/2"	DGW10VTxxx	Class A	16.0 lbs./LF					
			16 lbs. ⁴	240"+	12'	1-1/2"	DGW12VTxxx	Class A	16.0 lbs./LF					
	Valley		16 lbs. ^{4,5}	31"-44"	6'	1-5/8"	DGW6VYxxx	Class A	16.0 lbs./LF					
			16 lbs. ^{4,5}	45"-60"	8'	1-5/8"	DGW8VYxxx	Class A	16.0 lbs./LF					
			16 lbs. ^{4,5}	61"-72"	10'	1-5/8"	DGW10VYxxx	Class A	16.0 lbs./LF					
			16 lbs. ^{4,5}	73"-91"	10'	1-5/8"	DGW10VYxxx	Class A	16.0 lbs./LF					
			16 lbs. ^{4,5}	92"-239"	10'	1-5/8"	DGW10VYxxx	Class A	16.0 lbs./LF					
			Cross Tees See Flat Ceilings for information on straight cross tees, cross channel, and moldings.											

Accessories	DGSC180 Splice Clip	DGTC90 Transition Clip	DGC4, DGC6, DGC8 COMPASSO™ Drywall Clip	DGWC Wall Attachment Clip	DGSP180 Splice Plate	DGHUB Dome Hub
						

Typical Assemblies	8-Spoke Dome	16-Spoke Dome	Dome Vault
			

Design Support **USG DesignStudio.com:**

- Online design and specification tools
- Installation videos
- Domes and barrel vault estimator. Additional support available through CGC Ceilings Solution Group for design and estimation of non-typical applications.

Physical Data/ Footnotes	Product literature	Installation	Footnotes
	Data sheet# EGR-OG68 Finishes Galvanized. Material Double-web tee, hot-dipped galvanized steel. Recycled content 25%. For details, see the Sustainability selector.	Must be installed in compliance with ASTM C636, CISCA, and standard industry practices. Limitations Severe Environmental Requirements. For exterior applications, suspension systems should be reviewed by an engineer.	1. Dependent on location; contact your CGC representative. 2. "xxx" is a placeholder for a custom radius, in inches. 3. As tested per independent testing agency, both vault and valley main tees can carry 16 pounds per lineal foot. 4. As tested per independent testing agency, valleys require hanger wire spacing of 2' o.c.

CGC™ Drywall Suspension System – Wall-to-Wall



CGC Wall-to-Wall Drywall Suspension System/
SHEETROCK Gypsum Panels

LEED Credits

Recycled Content: 95%

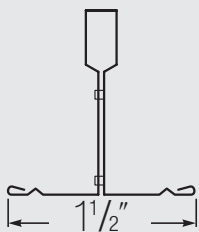
MR				EQ		
Waste Reduction	Recycled Content	Regional Materials ¹	Rapidly Renewable Materials	Low-Emitting Materials	Daylight and Views	Acoustical Performance
●	●	●				

Features and Benefits

- Simplifies design and construction for corridors and small rooms.
- Eliminates hanger wires and cross tees for unsupported spans up to 8' with 1/2" drywall and 7' -6" with 5/8" drywall.
- Lowest installed cost system for corridors and small rooms.
- Pre-engineered components allow easy transition between ceiling types and elevations.
- Hot dipped galvanized system suitable for interior and exterior applications.
- Standard and custom lengths available.
- Manufactured in accordance with ASTM C645.

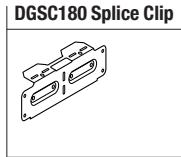
Applications

- Condominiums & Apartments
- Healthcare
- Education
- Hotels
- Dormitories
- Office



Profile

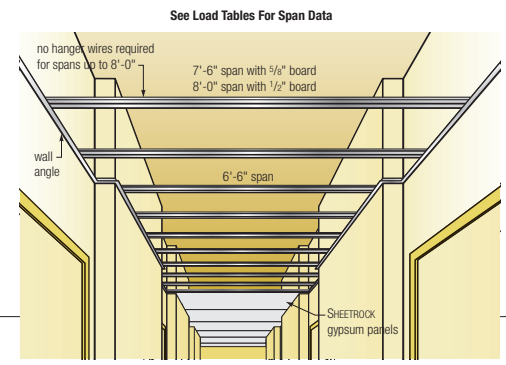
System Components	Length	Height	Face Width	Item No.	Class	Load Test Data ²					
						Simple Span L/240 Uniform Load (lbs./LF)					
						4'	5'	6'	7'	7'-6"	8'
	6', 8', 10', 12', 14', Custom	1.617"	1-1/2"	DGW26s	Class A	29.84	15.28	8.84	5.57	4.53	3.73
	12'	1-1/2"	1"	DGWM24	—	—	—	—	—	—	—
	12'	1-9/16"	1"	DGCM25	—	—	—	—	—	—	—



Span	O.C. Spacing (in.)	Maximum Load (lbs./SF)
2'	16	179.04
	24	119.36
4'	16	22.38
	24	14.92
5'	16	11.46
	24	7.64
6'	16	6.63
	24	4.42
7'	16	4.18
	24	2.78
7'-6"	16	3.40
	24	2.26
8'	16	2.80
	24	1.86
	24	*14.92
10'	16	*11.46
	24	*7.64
12'	16	*6.63
	24	*4.42
***16'	16	*2.8
	24	*1.86
	24	**4.42

Tee Spacing	Drywall	Span	Support Requirement
16' o.c.	1/2"	up to 8'	None
		***8' 1"-16'	Mid-span
		***16' 1"-24'	Two supports at 1/3 points
16' o.c.	5/8"	up to 7'-6"	None
		***7'-7" to 15'	Mid-span
		***15'-1" to 22'-6"	Two supports at 1/3 points
24' o.c.	5/8"	up to 6'-6"	None
		6'-7" to 13'	Mid-span
		***13'-1" to 19'-6"	Two supports at 1/3 points

Notes:
 - ***Spans greater than 14' require Main-tee splice, use DGSC180 splice clip.



Physical Data/
Footnotes

Notes:
 - Vertical support at mid-span
 - **Two vertical supports at 1/3 point
 - ***Spans greater than 14' require Main-tee splice.

Physical Data/
Footnotes

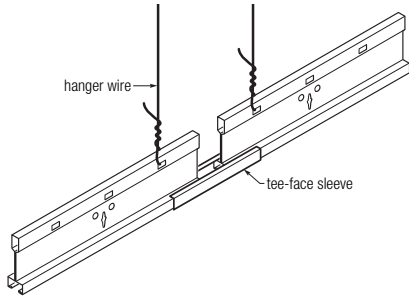
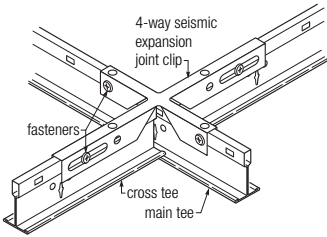
Product literature Data Sheet# EGR_0G62
 Finishes Galvanized.
 Material Double-web tee, hot-dipped, galvanized steel.
 Recycled content 25%.
 Installation Must be installed in compliance with ASTM C754 and standard industry practices.

Footnotes

1. Dependent on location; contact your CGC representative.
 2. Load test data shows uniform load in lbs./LF based on simple span tests in accordance with ASTM deflection limit on L/240.
 3. Attachment to wall structure is critical.

Seismic Accessories

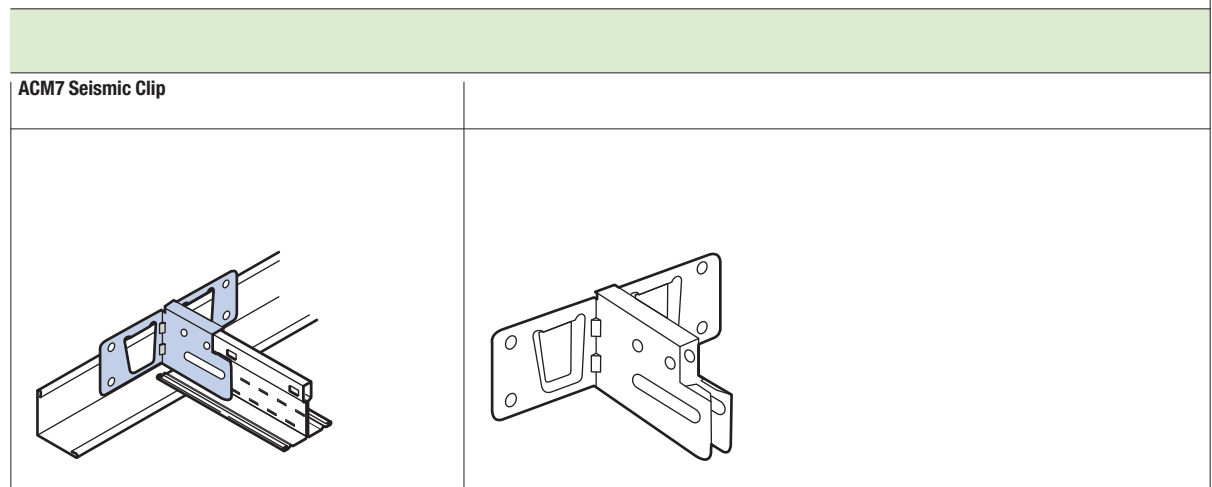
Since 1957 DOWN suspension systems have set the standard worldwide for the ceiling suspension industry. DOWN systems are readily available in all markets, and they install faster and maintain modularity (squareness) better than any other system. The following pages present seismic accessory items available from CGC, which are engineered and tested to help you design and install code-compliant ceilings with minimum effort and complete peace of mind.

Seismic Accessories	
Catalog Number	Description
<div style="display: flex; justify-content: space-around;"> <div style="width: 45%;"> <p>Tee-face sleeves</p>  </div> <div style="width: 45%;"> <p>Seismic expansion clip</p>  </div> </div>	
ACM7	Seismic Attachment Clip-to-Wall Angle
DH4	4-Way Seismic Expansion Joint Clip
TFS-1	Tee-Face Sleeve (3" long) for 15/16" DX/DXL Systems
TFS-2	Tee-Face Sleeve (3" long) for 9/16" CENTRICITEE DXT Systems
TFS-3	Tee-Face Sleeve (3" long) for FINELINE DXF Systems with 1/4" Reveal
TFS-4	Tee-Face Sleeve (3" long) for FINELINE 1/8 DXFF Systems with 1/8" Reveal

Donn ACM7 Seismic Clip

7/8" Moulding

The **Donn ACM7** seismic clip is designed to provide a more robust hold than traditional L-shaped seismic clips by other manufacturers. The ACM7 clip features a saddle that fits securely over the tee bulb and fastens to the tee web. The clip has two tow wings that connect to the wall moulding on each side of the tee with screws and friction-fit tabs. Either wing can be snipped off to fit corners or tight spaces. And, the clip adjusts easily to accommodate tees that intersect the wall at an angle other than 90 degrees. The ACM7 clip sustained tremendous forces in tension and compression testing, far greater than would be experienced in a seismic event.

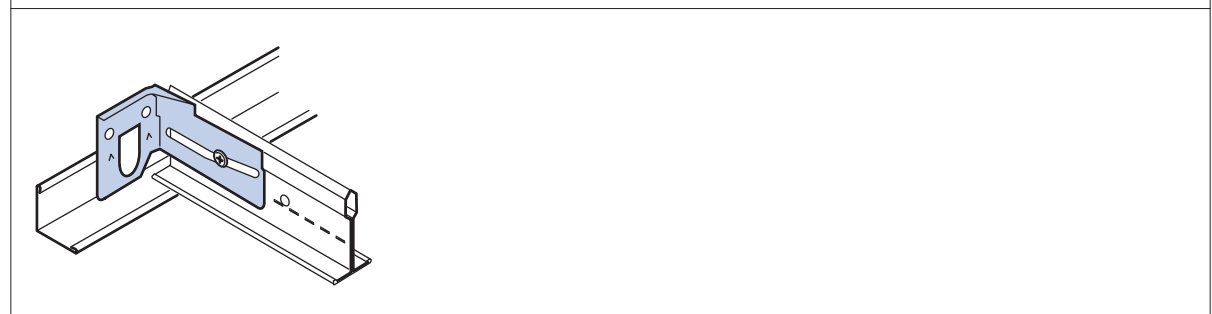


ACM7 Seismic Clip Performance

Test	Failure Criteria	Result
Tension Test	Tee fallout/ separation from clip.	> 500.45 load (lbs.). Test stopped at this load, with clip still attached to tee; failure load will exceed this level.
Compression Test	Tee fallout/ separation from clip.	> 324.75 load (lbs.). Test stopped at this load, with clip still attached to tee, maintaining 3/4" clearance from wall; failure load will exceed this level.

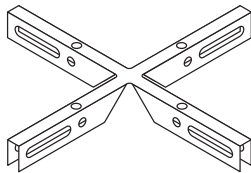
Traditional L-shaped clips attach to only one side of the tee web and do not fit over the tee bulb. And, they attach to the moulding with only a friction fit, not fasteners, which are required in IBC seismic design categories D, E, and F. With so few contact points and no fasteners on the moulding, tees may shift during installation, causing misalignments that can prolong the inspection process, delay approvals and risk system failure in a seismic event.

Traditional L-Clip (By Others)



Suspension Systems

Description

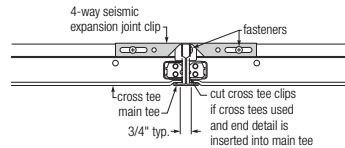
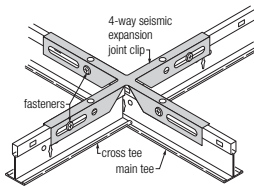


The DONN® brand DH4 seismic expansion joint clip is designed to provide the most robust hold in the most stringent seismic design categories.

Construction

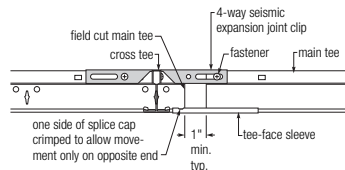
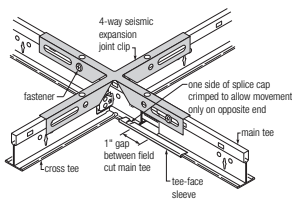
4-Way Seismic Expansion Joint Clip

A one-piece, multidirectional fastener with a slot that secures the tee while allowing expansion-joint movement. This clip sits on top of the bulb, avoiding interference with light fixtures and ceiling panels.



For additional clearance 1 1/2" DXW may be used.

4-Way Seismic Expansion Joint Clip Alt.



Features & Benefits

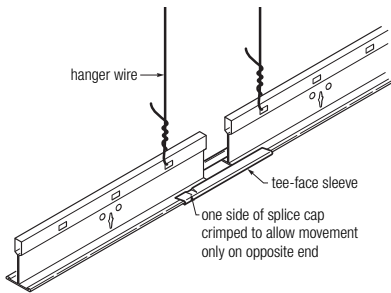
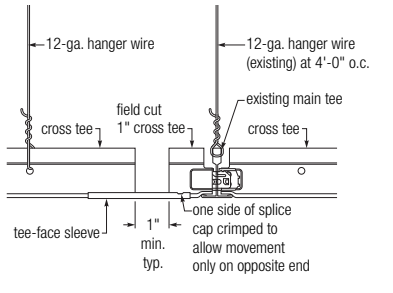
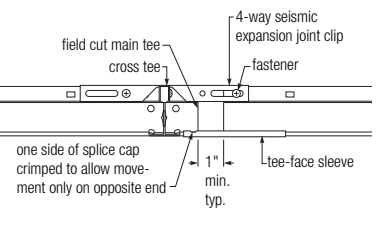
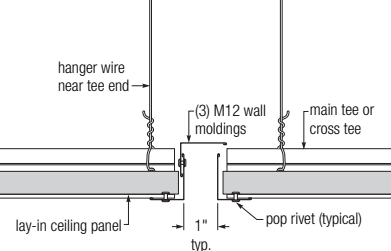
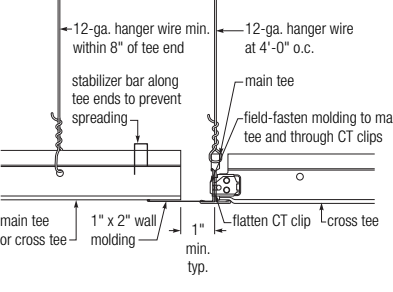
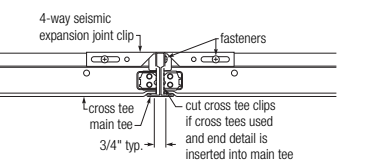
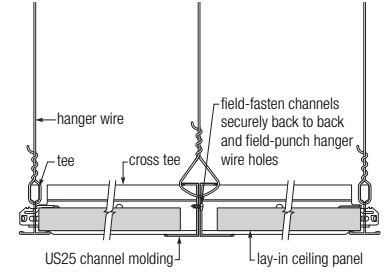
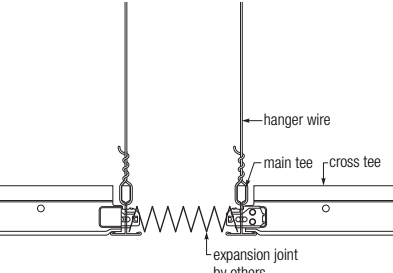
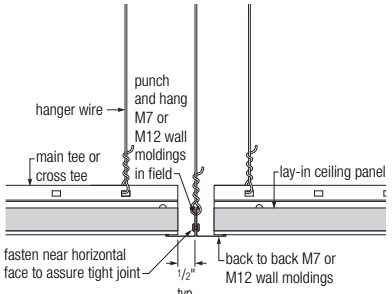
- Meets or exceeds all national code requirements.
- Fulfills requirements for IBC Seismic Design Categories A, B, C, D, E and F.
- Provides evidence of compliance (and greatly exceeds) ICC Evaluation Service, Inc. (ICC-ES) AC156 and AC368 requirements.
- Clip placement is over the bulb of the tee and does not interfere with light fixtures.
- Fastener holes and expansion slots enable fail-safe installation.
- Nondirectional and can be used on either main tees or cross tees.
- No special fasteners are required.
- Maintains squareness and strength of suspension system.
- One-piece, solid construction.
- Laboratory certified to greatly exceed all structural and seismic requirements including tension, compression and tee fallout.
- Offers an aesthetically attractive option to traditional control joints. Maintains clean, uninterrupted look.
- Can be used with both heavy-duty and intermediate-duty systems in IBC Seismic Design Categories A, B, C, D, E and F.
- Lifetime limited warranty.

Applications

- All interior general use areas.
- With intermediate and heavy-duty DONN suspension systems, AX, DX®/DXL™, FINELINE® (DXF), FINELINE® 1/8 (DXFF), CENTRICITEE™ (DXT), CE (Controlled Environment), DXW and ZXLA™ (Environmental). DONN ACM7 seismic clip solutions include the code-compliant heavy-duty and intermediate-duty main tee required for Seismic Design Categories A, B, C, D, E and F.

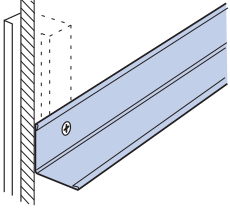
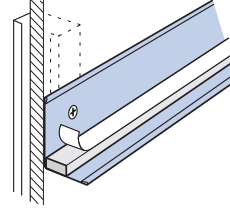
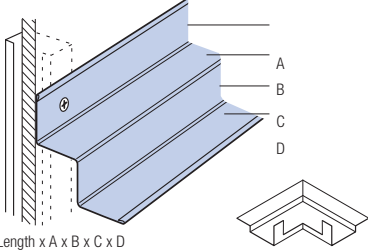
Seismic Separation Joints

When a seismic separation joint is required, CGC offers several options that satisfy requirements for installations in IBC seismic design categories A, B, C, D, E, and F. CGC conducted full-scale testing and evaluation to qualify the performance of these systems. Practical, easy to install, and designed for minimal visibility, **Down** seismic separation joints represent the best and greatest range of options to satisfy the stringent requirements for all seismic installations.

<p>Tee-Face (Main Tee or Cross Tee) Sleeve Available for DX/DXL, DXT, and DXF/DXFF.</p> 	<p>Tee-Face (Cross Tee) Sleeve</p> 	<p>4-Way Seismic Expansion Joint Clip</p> 
<p>Expansion Joint – M12 Moulding</p> 	<p>Expansion Joint – M20 Moulding</p> 	<p>4-Way Seismic Expansion Joint Clip</p> 
<p>Expansion Joint – US28 Moulding</p> 	<p>Expansion Joint – Accordion-Style</p> 	<p>Expansion Joint – M7 Moulding</p> 

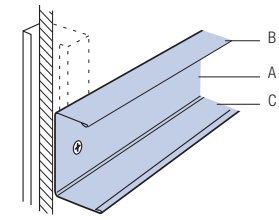
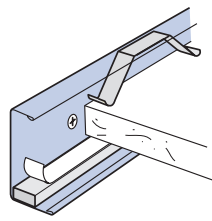
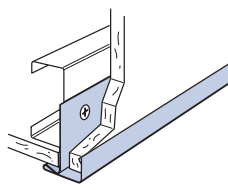
Suspension Systems Accessories

1. M9 available in colour. For colours other than Flat White and Flat Black, packaging is 240 LF per carton.
2. MS154 and MS174 available in colour. Packaging remains 300 LF per carton. With colours, only the exposed horizontal leg is painted the special colour.

Mouldings	Angle Moulding	Angle Moulding w/Gasket M12CE	Shadow Moulding
	Use for standard ceiling perimeters.	Use in clean room applications with DOWN® brand CE suspension system.	Useful for creating reveals at ceiling perimeters. Also helps to hide imperfections in drywall partitions and bulkheads.
			
			Length x A x B x C x D

	Catalog Number	Description	Packaging/Ctn.		
			LF	Pcs.	Wt. (lbs.)
Angle Moulding	M7A	12' x 7/8" x 7/8" Aluminum Wall Moulding	480	40	26
	M7-10	10' x 7/8" x 7/8" Wall Moulding	500	50	66
	M7Z	12' x 7/8" x 7/8" Hot-Dipped Galvanized Steel Wall Moulding	480	40	58
	M9 ¹	10' x 9/16" x 15/16" Wall Moulding	500	50	60
	M9-24	10' x 9/16" x 15/16" Wall Moulding	240	24	23
	M12	10' x 1" x 1 1/2" Wall Moulding	240	20	40
	MC11A25	10' x 1" x 1" Aluminum Cap Wall Moulding	250	25	39
	M12CE	12' x 1" x 1 1/2" Wall Moulding w/ Gaskets, Flat White	240	20	59
	M20	12' x 1" x 2" Wall Moulding	250	25	55
	M20HD	10' x 1" x 2" Wall Moulding (Heavy-Duty)	250	25	95
	M20SM	10' x 2" x 2" Wall Moulding (Seismic Moulding)	250	25	80
	Shadow Moulding	MS124	12' x 15/16" x 1/4" x 5/16" x 15/16" Shadow Moulding	300	25
MS134		12' x 9/16" x 1/4" x 5/16" x 3/4" Shadow Moulding	300	25	37
MS144		12' x 3/4" x 3/8" x 1/2" x 3/4" Shadow Moulding	300	25	48
MS154 ²		12' x 7/8" x 3/4" x 3/4" x 7/8" Shadow Moulding	300	25	67
MS164		12' x 3/4" x 3/4" x 3/4" x 3/4" Shadow Moulding	300	25	62
MS174 ²		12' x 1" x 3/8" x 3/8" x 9/16" Shadow Moulding	300	25	43
MS274		10' x 7/8" x 3/4" x 9/32" x 1-1/4" Seismic Shadow Moulding	200	20	54
MS31		10' x 3/4" x 3/4" x 1/2" x 3/4" Shadow Moulding	300	30	57

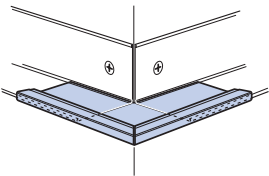
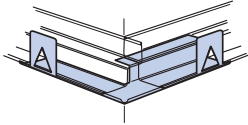
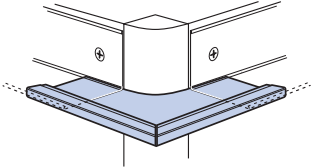
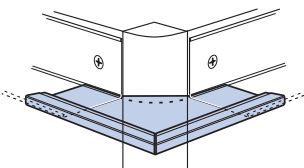
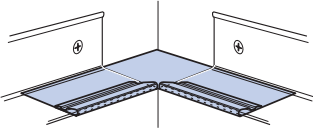
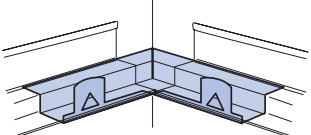
Suspension Systems Accessories

US Channel Wall Moulding	US Channel Wall Moulding w/Gasket US28CE	F-Moulding
<p>Use with C-8 clip to hold down perimeter ceiling panels.</p>  <p>Length x A x B x C</p>	<p>Use with C-8 clip in cleanroom application with DOWN CE suspension system.</p> 	<p>Use F-moulding to create ceiling "breaks," soffits; changes in elevation.</p> 

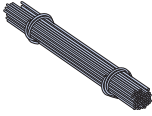
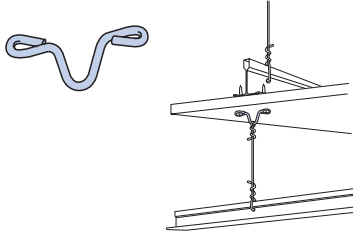
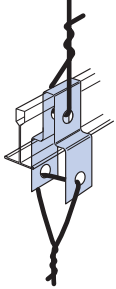
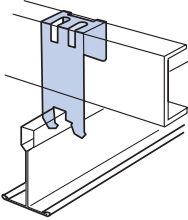
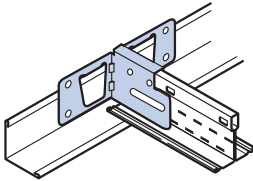
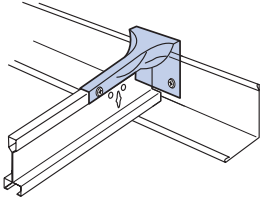
	Catalog Number	Description	Packaging/Ctn.		
			LF	Pcs.	Wt. (lbs.)
US Channel Wall Moulding	US8	10' x 1/2" x 1/2" x 1" U-Moulding	300	30	20
	US10	10' x 5/8" x 1/2" x 1" U-Moulding	300	30	21
	US12	10' x 3/4" x 1/2" x 1" U-Moulding	500	50	44
	US20	10' x 1-1/4" x 1/2" x 1" U-Moulding	300	30	57
	US25	12' x 1-9/16" x 1/2" x 1" U-Moulding	168	14	37
	US31	10' x 1-15/16" x 1/2" x 1" U-Moulding	300	30	70
	UA25	10' x 1-9/16" x 1/2" x 1" Aluminum U-Moulding	300	30	33
	US28CE	10' x 1-11/16" x 1/2" x 1" U-Moulding w/ gaskets, Flat White	300	30	63
F-Moulding	MF8	10' x 1/2" F-Moulding (for 1/2" panels)	100	10	28
	MF10	10' x 5/8" F-Moulding (for 5/8" panels)	100	10	29

For information about the C-8 clip, see page 222.

Suspension Systems Accessories

Moulding Accessories	Square-Moulding Corner Clip JS	Outside Corner JS174	Radius-Moulding Corner Clip JH, JB
	Use with angle moulding. 	Use with MS174 shadow moulding. 	Use for radius or "bullnose" corners. 
Field-Modified Corner JM16	Inside-Corner Angle Mould A2	Prefabricated Shadowline Corners	
Cut clip to fit field condition. 	Use with angle moulding. 		

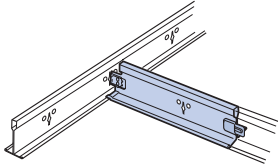
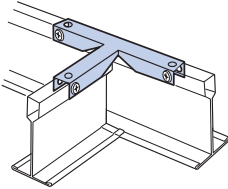
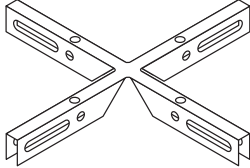
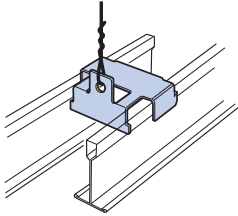
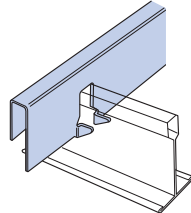
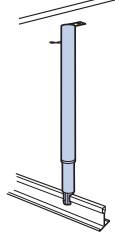
	Catalog Number	Description	Packaging/Ctn.	
			Pcs.	Wt. (lbs.)
Flat Corners	JS9	Square 90° Outside Corner Cap for 9/16" Moulding	100	3
	JS14	Square 90° Outside Corner Cap for 7/8" Moulding	100	3
	JS16	Square 90° Outside Corner Cap for 1" Moulding	100	3
	JS174	Square 90° Outside Corner Cap for MS174 Shadow Moulding	50	1.5
	JH9	1" Radius 90° Outside Corner Cap for 9/16" Moulding	100	3
	JH12	1" Radius 90° Outside Corner Cap for 3/4" Moulding	100	3
	JH14	1" Radius 90° Outside Corner Cap for 7/8" Moulding	100	3
	JH15	1" Radius 90° Outside Corner Cap for 15/16" Moulding	100	3
	JH16	1" Radius 90° Outside Corner Cap for 1" Moulding	100	3
	JB14	3/4" Radius 90° Outside Corner Cap for 7/8" Moulding	100	3
	JB16	3/4" Radius 90° Outside Corner Cap for 1" Moulding	100	3
	JM16	Field-Modified Corner for 1" Moulding	100	3
	A2	Inside Corner Cap for 7/8" Moulding	200	4
Shadowline	A134-7	Inside Corner Cap for MS134 Shadow Moulding (3/4" Leg)	50	1.5
	JS134-7	Square 90° Outside Corner Cap for MS134 Shadow Moulding (3/4" Leg)	50	1.5
	A134-9	Inside Corner Cap for MS134 Shadow Moulding (9/16" Leg)	50	1.5
	JS134-9	Square 90° Outside Corner Cap for MS134 Shadow Moulding (9/16" Leg)	50	1.5
	A174	Inside Corner Cap for MS174 Shadow Moulding	50	1.5
	A274	Inside Corner Cap for MS274 Shadow Moulding	50	1.5
	JS274	Square 90° Outside Corner Cap for MS274 Shadow Moulding	50	1.5

Grid Installation Accessories	Galvanized Hanger Wire A Use to suspend acoustical ceilings. Also use for flat and curved CGC drywall suspension system. 	Drywall Grid Hanger Clip B Use to suspend secondary ceiling. 	Grid Load Transfer Bracket C Use to suspend secondary ceiling 
	Furring Clip for Grid to Channel D Use to connect grid to 1-1/2" channel. 	Seismic Attachment Clip for DX to Wall Angle E Use to attach grid at perimeter to avoid the use of pop rivets. 	Moulding Attachment Clip F 

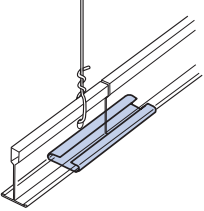
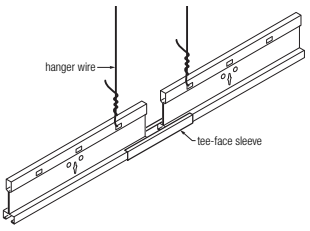
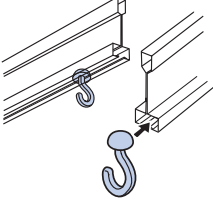
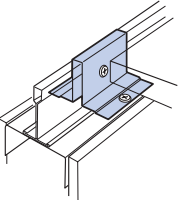
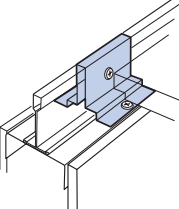
	Catalog Number	Description	Packaging/Ctn.		Detail Key
			Pcs.	Wt. (lbs.)	
Galvanized Hanger Wire	907230	12-Gauge Wrapped 12 ft.; 50 lb. bundle	144	50	A
	900225	12-Gauge Wrapped 4 ft.	100	12	A
Grid to Primary Support	DGHC	Drywall Grid Hanger Clip	100	1.5	B
	256860	Grid Load Transfer Bracket, 15/16" grid	250	13	C
	256861	Grid Load Transfer Bracket, 9/16" grid	250	13	C
	256862	Grid Load Transfer Bracket, 1-1/2" grid	250	13	C
	V14	Furring Clip for Grid to Channel	500	45	D
Grid to Moulding	ACM7	Seismic Attachment Clip to Wall Angle	100	7	E
	MAC2	Moulding Attachment Clip	100	3	F

Suspension Systems Accessories

Grid Installation Accessories

<p>MT/CT Converter G</p> <p>Converter changes main-tee direction 90° from adjacent main tee.</p> 	<p>3-Way Off-Module Connector H</p> <p>Use with cross tees and main tees that are the same height.</p> 	<p>4-Way Seismic Expansion Joint Clip I</p> <p>Use with cross tees and main tees that are the same height.</p> 
<p>Paired Main-Tee Clip J</p> <p>Use for linear air diffusers; use only with DX®/DXL™, DXT, ZXLA™, FINELINE® (DXF), FINELINE® 1/8 (DXFF), and CENTRICITEE™ (DXT/DXLT).</p> 	<p>Stabilizer Bar K</p> <p>Use to stabilize grid installation without cross tees.</p> 	<p>Seismic Compression Post L</p> <p>#AC275. Listed with ICBO Report #2244.</p> 

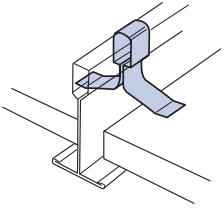
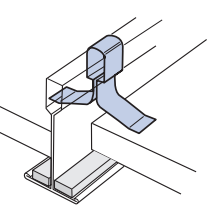
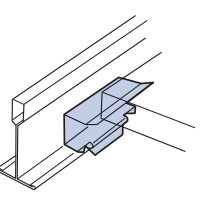
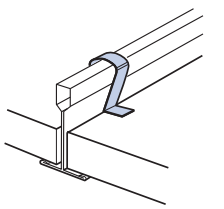
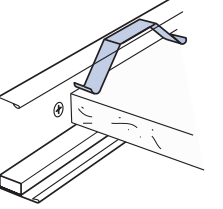
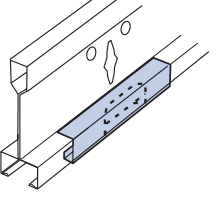
	Catalog Number	Description	Packaging/Ctn.			Detail Key
			LF	Pcs.	Wt. (lbs.)	
Tee-to-Tee	DXMT/CT	9" x 1-1/2" MT/CT Converter, changes MT direction	45	60	13	G
	DH3	3-Way Off-Module Connector	-	100	3	H
	DH4	4-Way Seismic Expansion Joint Connector	-	100	4	I
	V-32	Paired Main-Tee Clip (2" separation center to center)	-	100	3	J
Stabilizer Bars	SB12	18" Stabilizer Bar	200	200	27	K
	SB24	2' Stabilizer Bar	400	200	52	K
	SB36	3' Stabilizer Bar	300	100	40	K
	SB48	4' Stabilizer Bar	400	100	50	K
	SB48-24	4' Stabilizer Bar notched 2' on center	400	100	50	K
	SB60	5' Stabilizer Bar	500	100	64	K
	CC15-4-2	4' Stabilizer Bar notched 2' on center	200	50	27	K
Seismic Compression Posts	VSA18/30	Adjustable 18" to 30"	-	1	2.0	L
	VSA30/48	Adjustable 30" to 48"	-	1	2.5	L
	VSA48/84	Adjustable 48" to 84"	-	1	4.5	L
	VSA84/102	Adjustable 84" to 102"	-	1	7.5	L

Grid Installation Accessories	Standard-Face Tee-Face Sleeve M Use to cut in tees to existing system. Available for 15/16" and 9/16" systems. 	FINELINE Tee-Face Sleeve N Use to cut in tees to existing system. Available for 1/4" - and 1/8" - reveal systems. 	Accessory Hanger Hook P Remove top clip for use with standard 1/4" FINELINE suspension system. 	
	Partition Attachment Clip Q1 Use for square-edge panels. 	Partition Attachment Clip Q2 Use with reveal-edge panels. 		

	Catalog Number	Description	Packaging/Ctn.		Detail Key
			Pcs.	Wt. (lbs.)	
Tee Accessories	TFS-1	Tee-Face Sleeve (3" long) for 15/16" DX/DXL Systems	250	10	M
	TFS-2	Tee-Face Sleeve (3" long) for 9/16" DXT Systems	250	10	M
	TFS-3	Tee-Face Sleeve (3" long) for DXF Systems with 1/4" Reveal	250	10	N
	TFS-4	Tee-Face Sleeve (3" long) for DXFF Systems with 1/8" Reveal	250	10	N
	TFC-1	Tee-Face Cover (2" long)	100	1	O
	AH1	Accessory Hanger Hook (white injection moulded)	50	1	P
Partition Attachment	PAC15-SQ	Partition Clip for 15/16" or 9/16" SQ panels (245339)	100	8	Q1
	PAC15-SL	Partition Clip for 15/16" SL panels (254340)	100	8	Q2
	PAC 9-FL	Partition Clip for 9/16" FL panels (254341)	100	8	Q2

Suspension Systems Accessories

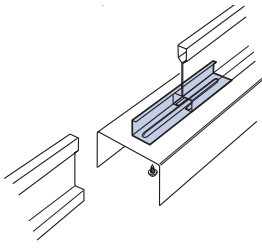
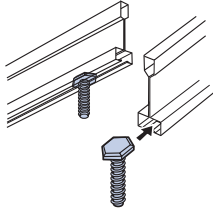
Grid Installation Accessories

<p>Hold-Down Clip—Fire-Rated Grid Q1</p> <p>Use when required in some fire-rated assemblies.</p> 	<p>Hold-Down Clip Q2</p> <p>Use to maintain a cleanroom seal with DOWN CE suspension system.</p> 	<p>Accessible Hold-Down Clip R</p> <p>Use as a hold-down clip for 5/8" panels. Provides ready accessibility.</p> 
<p>Variable Hold-Down Clip S</p> <p>Use for 5/16" to 3/4" panels.</p> 	<p>Wall Spring Clip T</p> <p>Use to hold down perimeter ceiling panels. Useful for maintaining cleanroom seal with US28CE moulding.</p> 	<p>Miter Closure Clip for FINELINE system U</p> <p>For closing off unused miters.</p> 

	Catalog Number	Description	Packaging/Ctn.		Detail Key
			Pcs.	Wt. (lbs.)	
Hold-Down Clips	L15	Hold-Down Clip—for 5/8" fire-rated panels	1000	7	Q1
	L15CE	Hold-Down Clip—for panels in cleanroom applications	500	3.5	Q2
	L45	Accessible Hold-Down Clip for 5/8" panels	1000	15	R
	V15	Variable Hold-Down Clip	1000	8	S
	C-8	Wall Spring Clip	2000	29	T
	C-8CE	Wall Spring Clip (same clip as C-8; smaller quantity)	500	8	T
	MCC3	2" Miter Closure Clip for 1/8" FINELINE suspension system	50	1	U
	MCC2	2" Miter Closure Clip for standard FINELINE suspension system	50	1	U

Suspension Systems Accessories

Notes
C-8CE is the same clip in smaller quantity.

Grid Installation Accessories	Partition Attachment Clip V	T-Bolt W	
	Use for closing off unused miters. 	Use to bolt-attach partitions, signage or pendant-mounted indirect lighting. 	

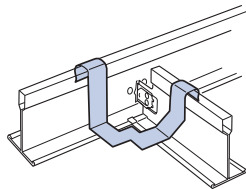
	Catalog Number	Description	Packaging/Ctn.		Detail Key
			Pcs.	Wt. (lbs.)	
FINELINE Accessories	MCC3	2" Miter Closure Clip for 1/8" FINELINE suspension system	50	1	V
	MCC2	2" Miter Closure Clip for standard FINELINE suspension system	50	1	V
	MAC2	Moulding Attachment Clip for FINELINE suspension system	100	3	W
	PAC1	3" Partition Attachment Clip	50	1	V
	TB1	1" x 1/4" - 20 T-Bolt	100	1	W

Suspension Systems Accessories

Light-Fixture Accessories

Light-Fixture Clip

For CENTRICITEE suspension system; use black clips with parabolic fixtures. Cross tee must be connected to main tee.



	Catalog Number	Description	Packaging/Ctn.	
			Pcs.	Wt. (lbs.)
Light-Fixture Clip	LFC	Light-fixture Clip (specify Flat White or Flat Black)	100	2

Suspension Systems Accessories

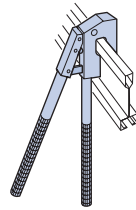
Notes

* One carton contains six 12-oz. cans.
Paints will not be shipped air freight.

Miscellaneous Accessories

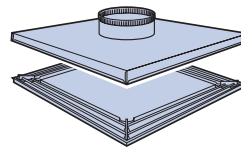
Hand-Held Field Cross-Tee Hold Tool

For all DOWN suspension systems.



Air Diffuser

Field-cut foil-backed ceiling panel to fit diffuser face. Use with FINELINE and CENTRICITEE suspension systems.



	Catalog Number	Description	Packaging/Ctn.	
			Pcs.	Wt. (lbs.)
Cross-Tee Hole Punches	215738	Universal Field Cross-Tee Hole Tool	1	30
	200308	Hand-Held Cross-Tee Hole Tool	1	5
	204755	Replacement Die Block for Universal Cross-Tee Tool	1	1
	276759	Replacement Die Block for Hand-Held Cross-Tee Tool	1	1
	214418	Replacement Punch for Universal Cross-Tee Tool	1	1
	276760	Replacement Punch for Hand-Held Cross-Tee Tool	1	1
Touch-Up Paint	B14	Flat Black Spray Paint (205)*	6	7
	B13	Flat White Spray Paint (050)*	6	7
Air Diffusers	AD16	2' x 2' 1 Slot with 6" Collar	1	7
	AD18	2' x 2' 1 Slot with 8" Collar	1	7
	AD26	2' x 2' 2 Slot with 6" Collar	1	8
	AD28	2' x 2' 2 Slot with 8" Collar	1	8
	AD38	2' x 2' 3 Slot with 8" Collar	1	8
	AD310	2' x 2' 3 Slot with 10" Collar	1	9
	AD410	2' x 2' 4 Slot with 10" Collar	1	10
	AD412	2' x 2' 4 Slot with 12" Collar	1	10

Recommended for use with 9/16" systems

Logix™ Integrated Ceiling Systems

Selectors

Page	
232	LOGIX Linear Modules
233	LOGIX Basic Modules
246	LOGIX Channel Interface Options

Product Information

Page	
229	LOGIX Basic
230	LOGIX Linear
244	LOGIX Panels
247	LOGIX Suspension Systems

Put Everything on the Line

2' x 6' HALCYON *CLIMAPLUS*
field panels, 6" x 48"
HALCYON *CLIMAPLUS* channel
panels, FINELINE DXF
suspension system



Logix Integrated Ceiling Systems

Transform lighting, air vents and other utilities from visual distractions to dramatic design elements by concentrating these fixtures on narrow bands running the length of a ceiling. Suddenly, the ceiling is neat and orderly, allowing wide-open spaces uninterrupted by mechanical components.

Logix integrated ceiling systems are designed to work with light fixtures available from many manufacturers. Visit USGDesignStudio.com for details.

Accolade 5 fixture by ailight



Avenue 6 fixture by Focal Point



2' x 6' HALCYON *CLIMAPLUS*
field panels, 6" x 48"
HALCYON *CLIMAPLUS* channel
panels, FINELINE DXF
suspension system

Logix Integrated Ceiling Systems

Logix Basic

Logix™ Basic

Channels Intersect Tees

The LOGIX™ Basic system positions channels perpendicular to main tees. Sleek 6" HALCYON *CLIMAPLUS* fiberglass lay-in panels or PANZ metal ceiling panels are positioned adjacent to cross tees and may also be used between fixtures, creating a more integrated appearance.

Avenue 6 fixture by Focal Point

6" x 48" Panz utility panel with C116D perforation

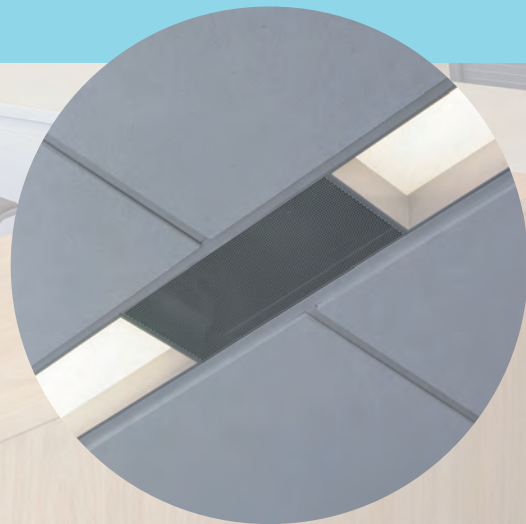
30" x 60" HALCYON CLIMAPlus
field panels, 6" x 12"
perforated LOGIX connector
panels, CENTRICITEE DXT
suspension system

Logix™ Linear

Channels Uninterrupted by Tees

The LOGIX™ Linear system positions channels between main tees, allowing you to enliven your design with continuous, functional bands. Main tees on each side of a channel are joined with attractive metal Logix connector panels, perforated or solid, that introduce additional visual interest and provide a great location for sprinkler heads, PA speakers and air return.

When perforated, metal connector brackets provide an ideal location for air return.



30" x 60" HALCYON *CLIMAPLUS*
field panels, 6" x 12"
perforated LOGIX connector
panels, CENTRICITEE DXT
suspension system

Logix Integrated Ceiling Systems

Logix Linear

EXIT

EXIT

Logix Integrated Ceiling Systems

The field is fitted with fine-textured HALCYON *CLIMAPLUS* fiberglass panels in a range of standard and large sizes. Choose from three suspension systems including FINELINE DXF. Several manufacturers offer light fixtures, HVAC diffusers and sprinkler solutions designed to integrate with LOGIX ceilings. Visit USGDesignStudio.com for details.

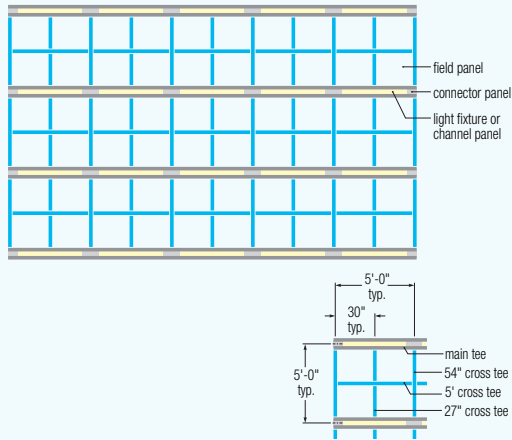
Logix Linear Channels Transform Utilities into a Dramatic Design Element.

Logix Linear Modules

Channels Uninterrupted by Tees

5' x 5' Module

30' x 27" Field Panel
6" x 12" Logix Connector Panel

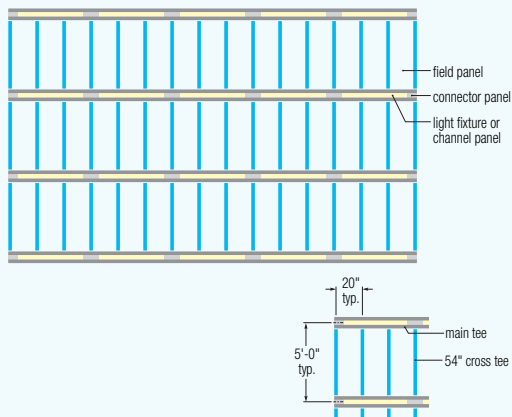


Logix Linear Selector

	CENTRICITEE DXT FL Edge	FINELINE DXF FL Edge	FINELINE DXF CEL Edge
System with HALCYON Field Panel	LL06H030027DXT	LL06H030027DXF	
System with PANZ Field Panel	LL06P030027DXT	LL06P030027DXF	
System with CELEBRATION Field Panel			LL06C030027DXF

5' x 5' Module

20' x 54" Field Panel
6" x 12" Logix Connector Panel

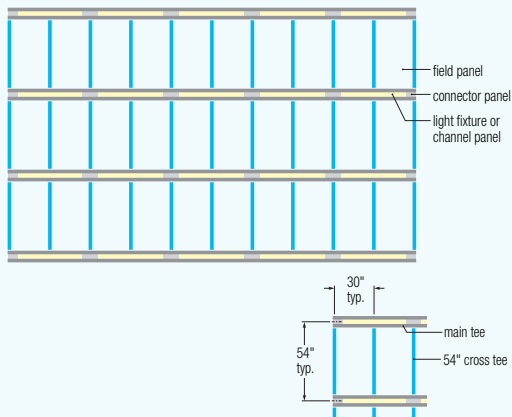


Logix Linear Selector

	CENTRICITEE DXT FL Edge	FINELINE DXF FL Edge	FINELINE DXF CEL Edge
System with HALCYON Field Panel	LL06H020054DXT	LL06H020054DXF	
System with PANZ Field Panel	LL06P020054DXT	LL06P020054DXF	
System with CELEBRATION Field Panel			LL06C020054DXF

5' x 5' Module

30' x 54" Field Panel
6" x 12" Logix Connector Panel



Logix Linear Selector

	CENTRICITEE DXT FL Edge	FINELINE DXF FL Edge	FINELINE DXF CEL Edge
System with HALCYON Field Panel	LL06H030054DXT	LL06H030054DXF	
System with PANZ Field Panel	LL06P030054DXT	LL06P030054DXF	
System with CELEBRATION Field Panel			LL06C030054DXF

Logix Basic Modules

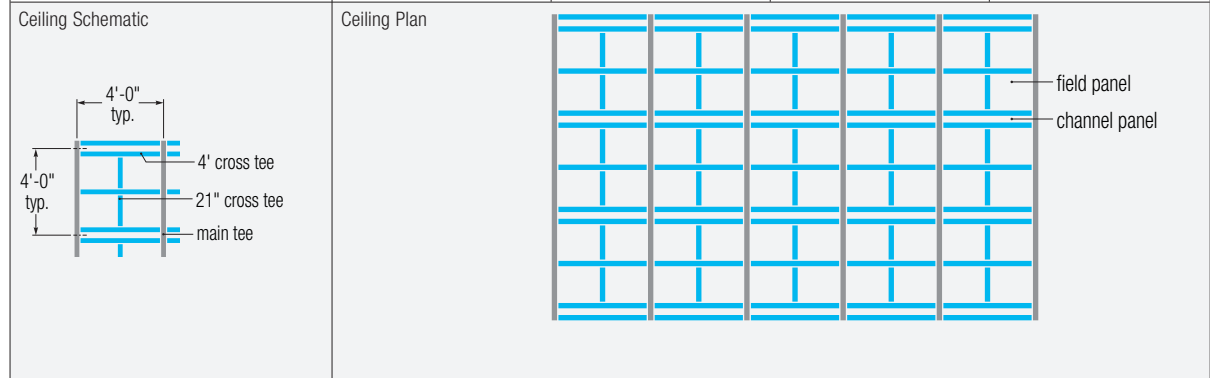
Channels Intersect Tees

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Listed by Module Size

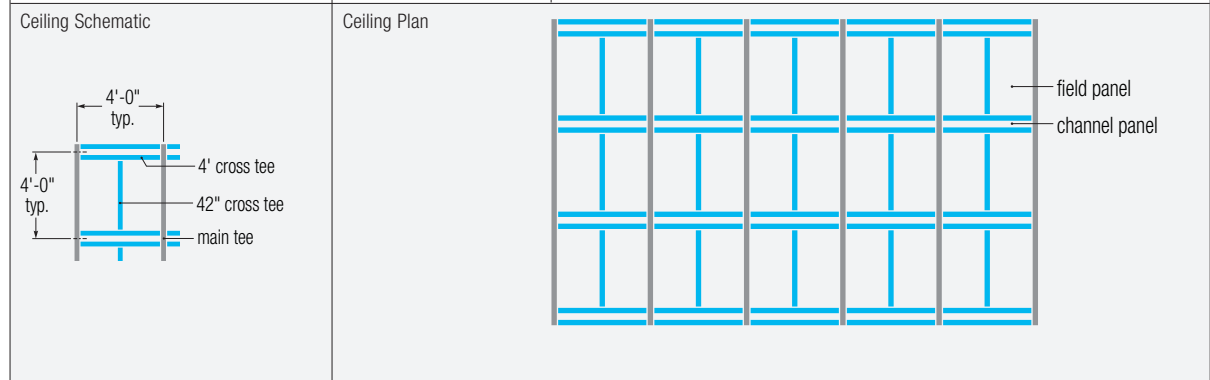
4' x 4' Module

21" x 24" Field Panel 6" x 48" Utility Panel	CENTRICITEE DXT FL Edge	DX/DXL SQ Edge	SL Edge	FINELINE DXF FL Edge
HALCYON Field Panel	98195			98195
HALCYON Channel Panel	98198			98198
PANZ Channel Panel (Smooth)	256820			256820
PANZ Channel Panel (C116 Perf.)	257176			257176
PANZ Channel Panel (C116D Perf.)	256471			256471
Main Tee	DXT24/26			DXF144/21
Cross Tee 1	DXT422/424			DXF21
Cross Tee 2	DXT21			DXF429N
Cross Tee 3	—			DXF429S



4' x 4' Module

24" x 42" Field Panel 6" x 48" Utility Panel	CENTRICITEE DXT FL Edge	DX/DXL SQ Edge	SL Edge	FINELINE DXF FL Edge
HALCYON Field Panel	98196			98196
HALCYON Channel Panel	98198			98198
PANZ Channel Panel (Smooth)	256820			256820
PANZ Channel Panel (C116 Perf.)	257176			257176
PANZ Channel Panel (C116D Perf.)	256471			256471
Main Tee	DXT24/26			DXF144/42
Cross Tee 1	DXT422/424			DXF42
Cross Tee 2	DXT42			DXF429S



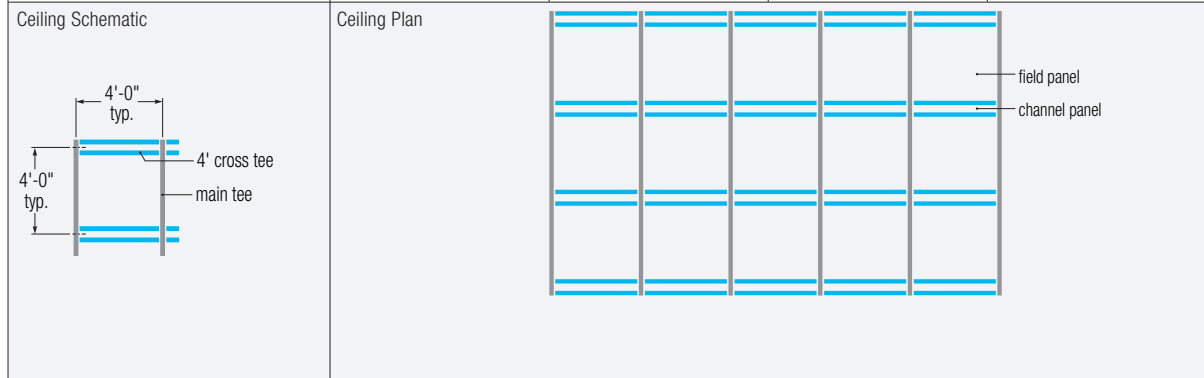
Logix Basic Modules

Channels Intersect Tees

Listed by Module Size

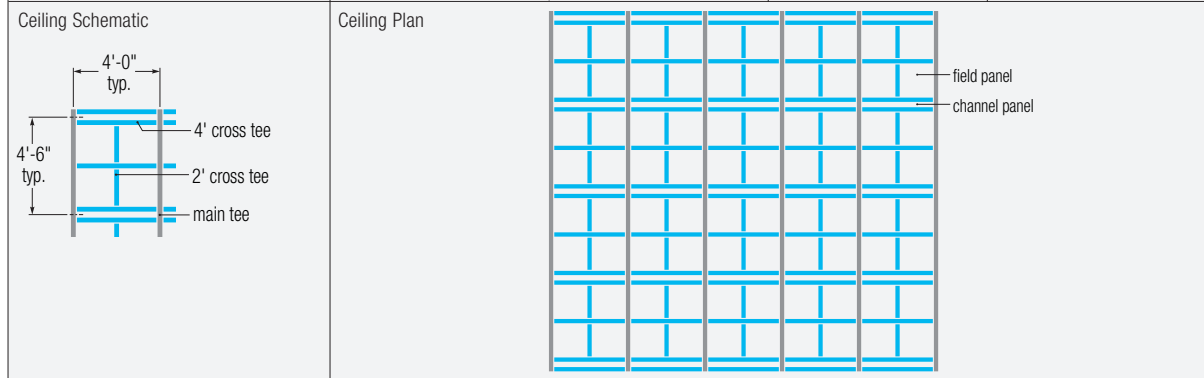
4' x 4' Module

42" x 48" Field Panel 6" x 48" Utility Panel	CENTRICITEE DXT FL Edge	DX/DXL SQ Edge	SL Edge	FINELINE DXF FL Edge
HALCYON Field Panel	98343			98343
HALCYON Channel Panel	98198			98198
PANZ Channel Panel (Smooth)	256820			256820
PANZ Channel Panel (C116 Perf.)	257176			257176
PANZ Channel Panel (C116D Perf.)	256471			256471
Main Tee	DXT24/26			DXF144/42
Cross Tee 1	DXT422/424			DXF429



4'6" x 4' Module

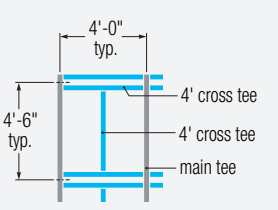
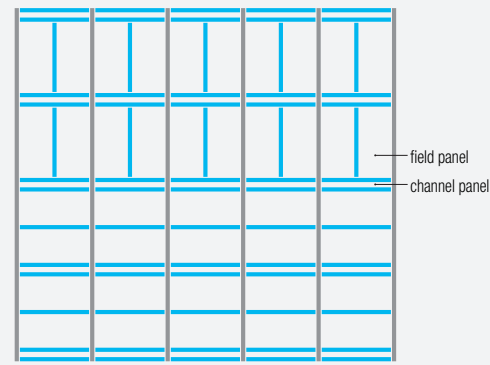
24" x 24" Field Panel 6" x 48" Utility Panel	CENTRICITEE DXT FL Edge	DX/DXL SQ Edge	SL Edge	FINELINE DXF FL Edge
HALCYON Field Panel	98225	98221	98223	98225
HALCYON Channel Panel	98198	97227	99271	98198
PANZ Channel Panel (Smooth)	256820	256768	256819	256820
PANZ Channel Panel (C116 Perf.)	257176	256821	257175	257176
PANZ Channel Panel (C116D Perf.)	256471	256546	256545	256471
Main Tee	DXT24/26	DX/DXL24/26	DX/DXL24/26	DXF108/24
Cross Tee 1	DXT422/424	DX/DXL422/424	DX/DXL422/424	DXF229
Cross Tee 2	DXT222	DX/DXL216	DX/DXL216	DXF429N
Cross Tee 3	—	—	—	DXF429S



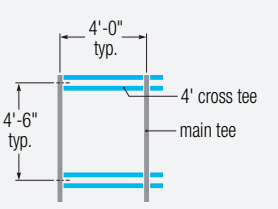
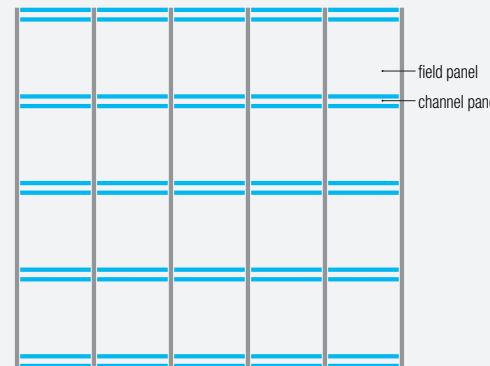
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4'6" x 4' Module

24" x 48" Field Panel 6" x 48" Utility Panel	CENTRICITEE DXT FL Edge	DX/DXL SQ Edge	SL Edge	FINELINE DXF FL Edge
HALCYON Field Panel	98245	98241	98243	98245
HALCYON Channel Panel	98198	97227	99271	98198
PANZ Channel Panel (Smooth)	256820	256768	256819	256820
PANZ Channel Panel (C116 Perf.)	257176	256821	257175	257176
PANZ Channel Panel (C116D Perf.)	256471	256546	256545	256471
Main Tee	DXT24/26	DX/DXL24/26	DX/DXL24/26	DXF108/48
Cross Tee 1	DXT422/424	DX/DXL422/424	DX/DXL422/424	DXF429
Cross Tee 2	—	—	—	DXF429S*
Ceiling Schematic 	Ceiling Plan 			

4'6" x 4' Module

48" x 48" Field Panel 6" x 48" Utility Panel	CENTRICITEE DXT FL Edge	DX/DXL SQ Edge	SL Edge	FINELINE DXF FL Edge
HALCYON Field Panel	98445	98441	98443	98445
HALCYON Channel Panel	98198	97227	99271	98198
PANZ Channel Panel (Smooth)	256820	256768	256819	256820
PANZ Channel Panel (C116 Perf.)	257176	256821	257175	257176
PANZ Channel Panel (C116D Perf.)	256471	256546	256545	256471
Main Tee	DXT24/26	DX/DXL24/26	DX/DXL24/26	DXF108/48
Cross Tee 1	DXT422/424	DX/DXL422/424	DX/DXL422/424	DXF429
Ceiling Schematic 	Ceiling Plan 			

Logix Basic Modules

Channels Intersect Tees

Listed by Module Size



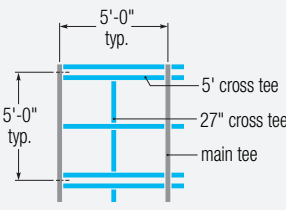
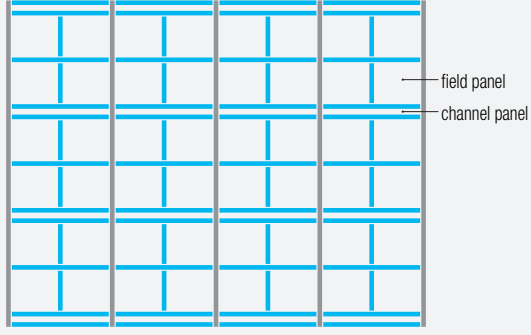
HALCYON CLIMAPLUS field and channel panel with FINELINE DXF suspension and Amerlux light fixture

5' x 5' Module	20" x 54" Field Panel 6" x 60" Utility Panel	CENTRICITEE DXT FL Edge	DX/DXL SQ Edge	SL Edge	FINELINE DXF FL Edge
	HALCYON Field Panel	98360			
HALCYON Channel Panel	98199				98199
PANZ Channel Panel (Smooth)	258036				258036
PANZ Channel Panel (C116 Perf.)	258894				258894
PANZ Channel Panel (C116D Perf.)	259008				259008
Main Tee	DXT24/26				DXF120/54
Cross Tee 1	DXT524				DXF54
Cross Tee 2	DXT54				DXF529SS
Cross Tee 3	—				
Stabilizer Bar	CC 15 20				CC 15 20
Ceiling Schematic					
Ceiling Plan					

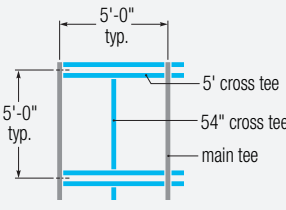
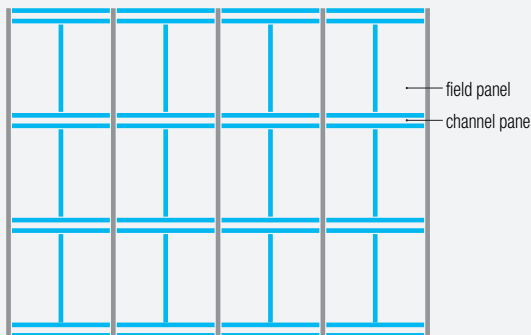
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5' x 5' Module

27" x 30" Field Panel 6" x 60" Utility Panel	CENTRICITEE DXT FL Edge	DX/DXL SQ Edge	SL Edge	FINELINE DXF FL Edge
HALCYON Field Panel	97333			97333
HALCYON Channel Panel	98199			98199
PANZ Channel Panel (Smooth)	258036			258036
PANZ Channel Panel (C116 Perf.)	258894			258894
PANZ Channel Panel (C116D Perf.)	259008			259008
Main Tee	DXT24/26			DXF120/27
Cross Tee 1	DXT524			DXF27
Cross Tee 2	DXT27			DXF529N
Cross Tee 3	—			DXF529S
Ceiling Schematic 	Ceiling Plan 			

5' x 5' Module

30" x 54" Field Panel 6" x 60" Utility Panel	CENTRICITEE DXT FL Edge	DX/DXL SQ Edge	SL Edge	FINELINE DXF FL Edge
HALCYON Field Panel	98359			98359
HALCYON Channel Panel	98199			98199
PANZ Channel Panel (Smooth)	258036			258036
PANZ Channel Panel (C116 Perf.)	258894			258894
PANZ Channel Panel (C116D Perf.)	259008			259008
Main Tee	DXT24/26			DXF120/54
Cross Tee 1	DXT524			DXF54
Cross Tee 2	DXT54			DXF529S
Stabilizer Bar	CC 15 30			CC 15 30
Ceiling Schematic 	Ceiling Plan 			

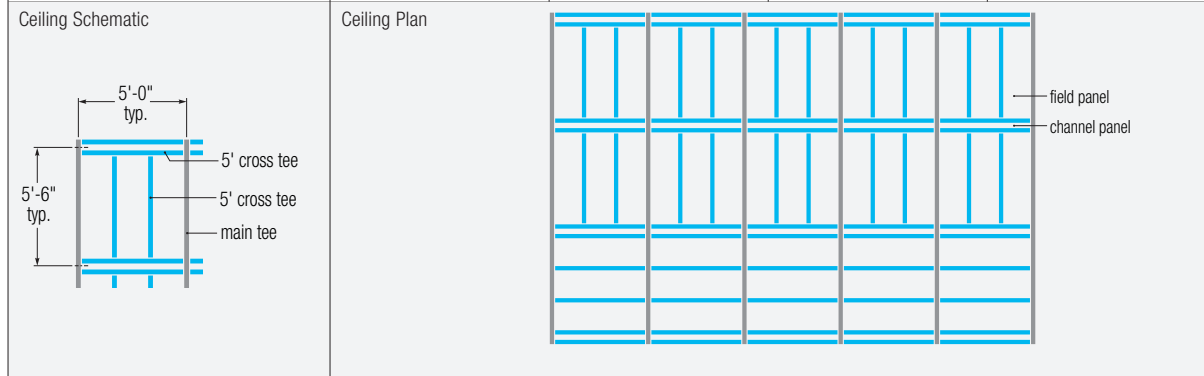
Logix Basic Modules

Channels Intersect Tees

Listed by Module Size

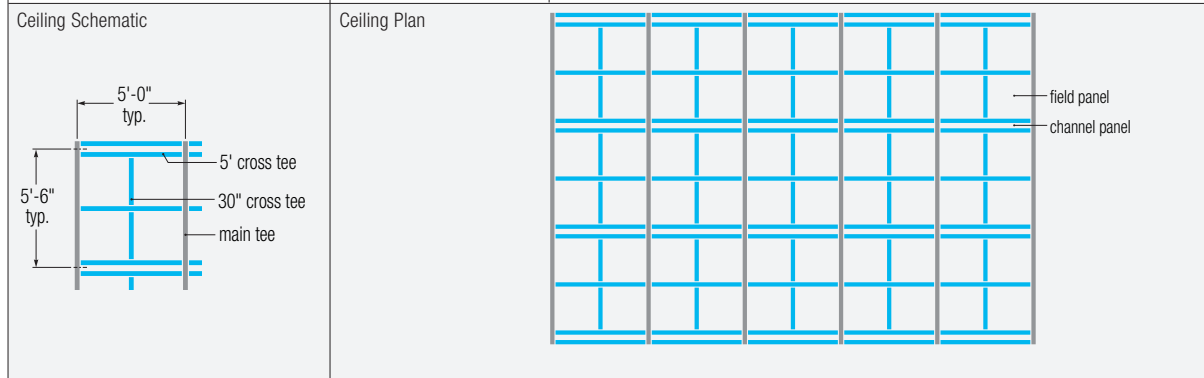
5'6" x 5' Module

20" x 60" Field Panel 6" x 60" Utility Panel	CENTRICITEE DXT FL Edge	DX/DXL SQ Edge	SL Edge	FINELINE DXF FL Edge
HALCYON Field Panel	98194	98261	99267	98194
HALCYON Channel Panel	98198	97228	99272	98198
PANZ Channel Panel (Smooth)	258036	257586	257972	258036
PANZ Channel Panel (C116 Perf.)	258894	258037	258845	258894
PANZ Channel Panel (C116D Perf.)	259008	258929	259007	259008
Main Tee	DXT24/26	DX/DXL24/26	DX/DXL24/26	DXF132/60
Cross Tee 1	DXT524	DX/DXL524	DX/DXL524	DXF529
Cross Tee 2	—	—	—	DXF529SS
Stabilizer Bar	CC 15 20	—	—	CC 15 20



5'6" x 5' Module

30" x 30" Field Panel 6" x 60" Utility Panel	CENTRICITEE DXT FL Edge	DX/DXL SQ Edge	SL Edge	FINELINE DXF FL Edge
HALCYON Field Panel	98335	98331	98333	98335
HALCYON Channel Panel	98199	97228	99272	98199
PANZ Channel Panel (Smooth)	258036	257586	257972	258036
PANZ Channel Panel (C116 Perf.)	258894	258037	258845	258894
PANZ Channel Panel (C116D Perf.)	259008	258929	259007	259008
Main Tee	DXT24/26	DX/DXL24/26	DX/DXL24/26	DXF132/30
Cross Tee 1	DXT524	DX/DXL524	DX/DXL524	DXF30
Cross Tee 2	DXT30	DX30	DX30	DXF529S



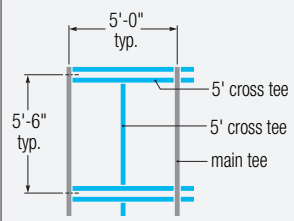
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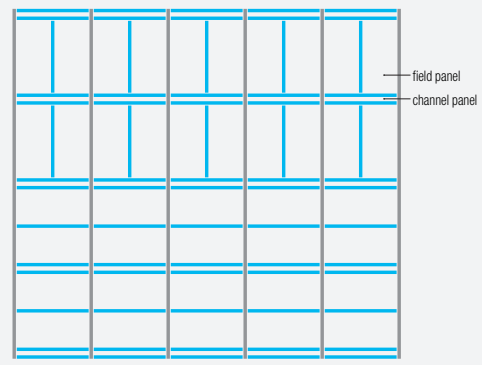
5'6" x 5' Module

30" x 60" Field Panel 6" x 60" Utility Panel	CENTRICITEE DXT FL Edge	DX/DXL SQ Edge	SL Edge	FINELINE DXF FL Edge
HALCYON Field Panel	98336	97266	99270	98336
HALCYON Channel Panel	98199	97228	99272	98199
PANZ Channel Panel (Smooth)	258036	257586	257972	258036
PANZ Channel Panel (C116 Perf.)	258894	258037	258845	258894
PANZ Channel Panel (C116D Perf.)	259008	258929	259007	259008
Main Tee	DXT24/26	DX/DXL24/26	DX/DXL24/26	DXF132/60
Cross Tee 1	DXT524	DX/DXL524	DX/DXL524	DXF529
Cross Tee 2	—	—	—	DXF529S
Stabilizer Bar	CC 15 30	—	—	CC 15 30

Ceiling Schematic



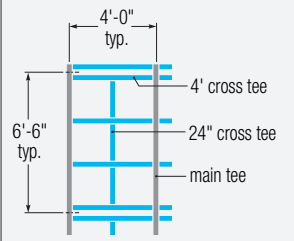
Ceiling Plan



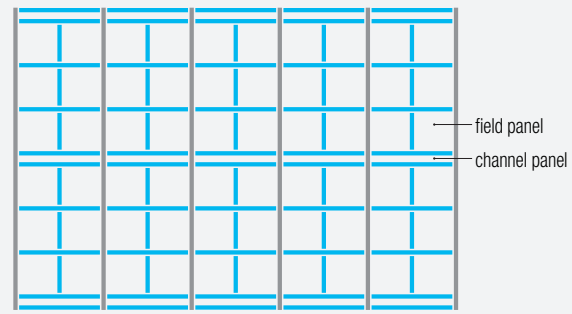
6'6" x 4' Module

24" x 24" Field Panel 6" x 48" Utility Panel	CENTRICITEE DXT FL Edge	DX/DXL SQ Edge	SL Edge	FINELINE DXF FL Edge
HALCYON Field Panel	98225	98221	98223	98225
HALCYON Channel Panel	98198	97227	99271	98198
PANZ Channel Panel (Smooth)	256820	256768	256819	256820
PANZ Channel Panel (C116 Perf.)	257176	256821	257175	257176
PANZ Channel Panel (C116D Perf.)	256471	256546	256545	256471
Main Tee	DXT24/26	DX/DXL24/26	DX/DXL24/26	DXF78/24
Cross Tee 1	DXT422/424	DX/DXL422/424	DX/DXL422/424	DXF229
Cross Tee 2	DXT222	DX/DXL216	DX/DXL216	DXF429N
Cross Tee 3	—	—	—	DXF429S

Ceiling Schematic



Ceiling Plan



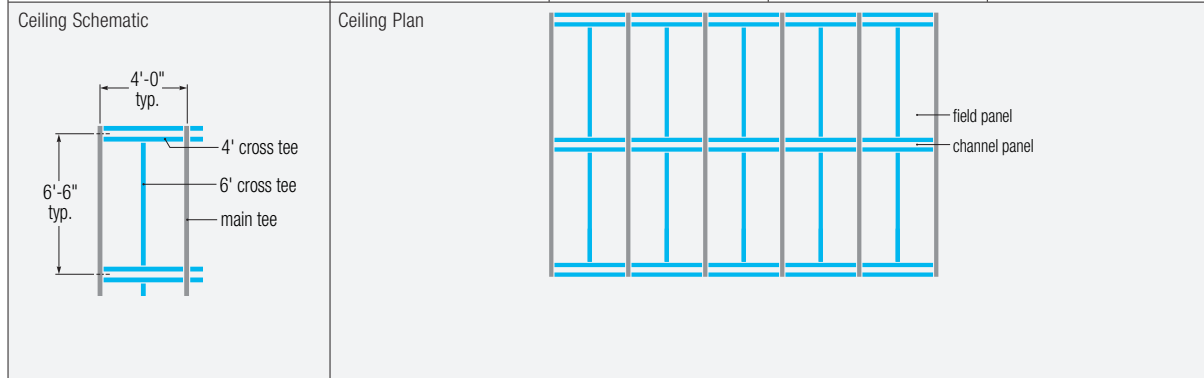
Logix Basic Modules

Channels Intersect Tees

Listed by Module Size

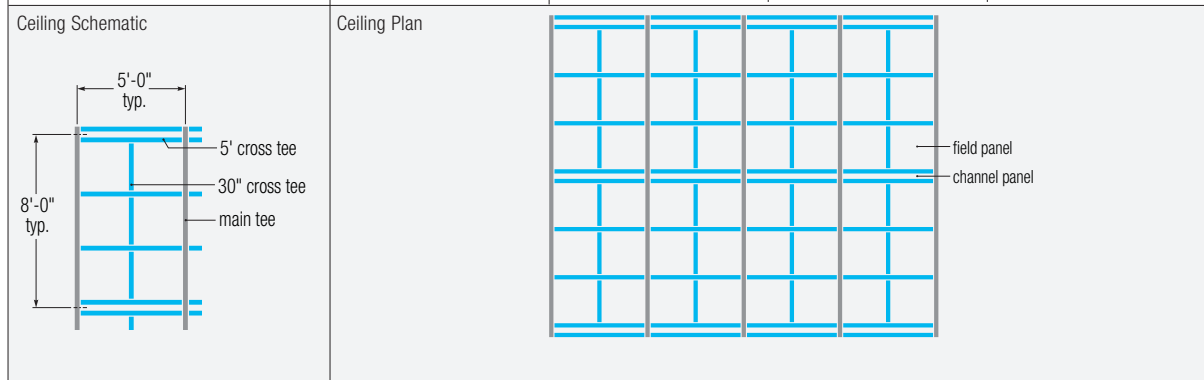
6'6" x 4' Module

24" x 72" Field Panel 6" x 48" Utility Panel	CENTRICITEE DXT FL Edge	DX/DXL SQ Edge	SL Edge	FINELINE DXF FL Edge
HALCYON Field Panel	98348	97262	99268	98348
HALCYON Channel Panel	98198	97227	99271	98198
PANZ Channel Panel (Smooth)	256820	256768	256819	256820
PANZ Channel Panel (C116 Perf.)	257176	256821	257175	257176
PANZ Channel Panel (C116D Perf.)	256471	256546	256545	256471
Main Tee	DXT24/26	DX/DXL24/26	DX/DXL24/26	DXF78/72
Cross Tee 1	DXT424	DX/DXL424	DX/DXL424	DXF629
Cross Tee 2	DXT624	DX624	DX624	DXF429S
Stabilizer Bar	CC 15 24	—	—	CC 15 24



8' x 5' Module

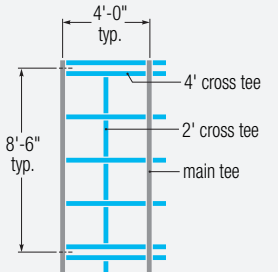
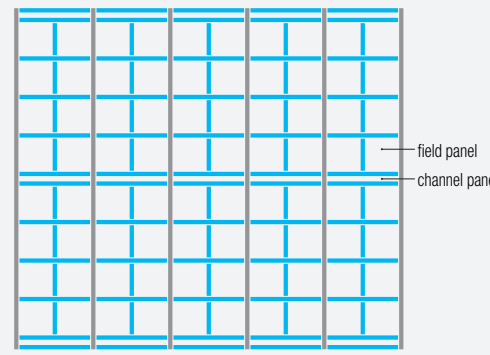
30" x 30" Field Panel 6" x 60" Utility Panel	CENTRICITEE DXT FL Edge	DX/DXL SQ Edge	SL Edge	FINELINE DXF FL Edge
HALCYON Field Panel	98335	98331	98333	98335
HALCYON Channel Panel	98199	97228	99272	98199
PANZ Channel Panel (Smooth)	258036	257586	257972	258036
PANZ Channel Panel (C116 Perf.)	258894	258037	258845	258894
PANZ Channel Panel (C116D Perf.)	259008	258929	259007	259008
Main Tee	DXT24/26	DX/DXL24/26	DX/DXL24/26	DXF96/30
Cross Tee 1	DXT524	DX/DXL524	DX/DXL524	DXF30
Cross Tee 2	DXT30	DX30	DX30	DXF529N
Cross Tee 3	—	—	—	DXF529S



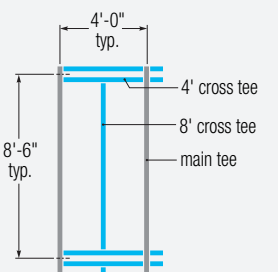
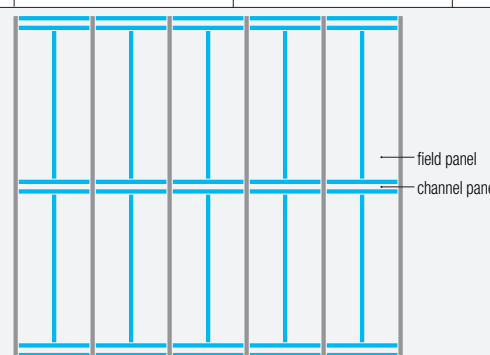
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Listed by Module Size

8'6" x 4' Module

24" x 24" Field Panel 6" x 48" Utility Panel	CENTRICITEE DXT FL Edge	DX/DXL SQ Edge	SL Edge	FINELINE DXF FL Edge
HALCYON Field Panel	98225	98221	98223	98225
HALCYON Channel Panel	98198	97227	99271	98198
PANZ Channel Panel (Smooth)	256820	256768	256819	256820
PANZ Channel Panel (C116 Perf.)	257176	256821	257175	257176
PANZ Channel Panel (C116D Perf.)	256471	256546	256545	256471
Main Tee	DXT24/26	DX/DXL24/26	DX/DXL24/26	DXF102/24
Cross Tee 1	DXT422/424	DX/DXL422/424	DX/DXL422/424	DXF229
Cross Tee 2	DXT222	DX/DXL216	DX/DXL216	DXF429N
Cross Tee 3	—	—	—	DXF429S
Ceiling Schematic 	Ceiling Plan			

8'6" x 4' Module

24" x 96" Field Panel 6" x 48" Utility Panel	CENTRICITEE DXT FL Edge	DX/DXL SQ Edge	SL Edge	FINELINE DXF FL Edge
HALCYON Field Panel	98197	97263	99269	98197
HALCYON Channel Panel	98198	97227	99271	98198
PANZ Channel Panel (Smooth)	256820	256768	256819	256820
PANZ Channel Panel (C116 Perf.)	257176	256821	257175	257176
PANZ Channel Panel (C116D Perf.)	256471	256546	256545	256471
Main Tee	DXT24/26	DX/DXL24/26	DX/DXL24/26	DXF102/96
Cross Tee 1	DXT422/424	DX/DXL422/424	DX/DXL422/424	DXF829
Cross Tee 2	DXT824	DX824	DX824	DXF429S
Stabilizer Bar				CC1524
Ceiling Schematic 	Ceiling Plan			

Logix Basic Modules

Channels Intersect Tees

Listed by Module Size



HALCYON *CLIMAPLUS* field and PANZ solid channel panel with FINELINE DXF suspension and Focal Point avenue 6 light fixture

8' 6" x 4' Module	48" x 48" Field Panel 6" x 48" Utility Panel	CENTRICITEE DXT FL Edge	DX/DXL SQ Edge	SL Edge	FINELINE DXF FL Edge
		HALCYON Field Panel	98445	98441	98443
	HALCYON Channel Panel	98198	97227	99271	98198
	PANZ Channel Panel (Smooth)	256820	256768	256819	256820
	PANZ Channel Panel (C116 Perf.)	257176	256821	257175	257176
	PANZ Channel Panel (C116D Perf.)	256471	256546	256545	256471
	Main Tee	DXT24/26	DX/DXL24/26	DX/DXL24/26	DXF102/48
	Cross Tee 1	DXT422/424	DX/DXL422/424	DX/DXL422/424	DXF429
	Cross Tee 2	—	—	—	
Ceiling Schematic					
Ceiling Plan					

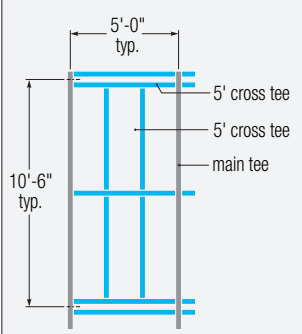
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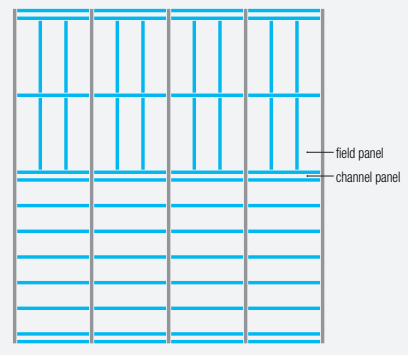
10'6" x 5' Module

20" x 60" Field Panel 6" x 60" Utility Panel	CENTRICITEE DXT FL Edge	DX/DXL SQ Edge	SL Edge	FINELINE DXF FL Edge
HALCYON Field Panel	98194	98261	99267	98194
HALCYON Channel Panel	98199	97228	99272	98199
PANZ Channel Panel (Smooth)	258036	257586	257972	258036
PANZ Channel Panel (C116 Perf.)	258894	258037	258845	258894
PANZ Channel Panel (C116D Perf.)	259008	258929	259007	259008
Main Tee	DXT24/26	DX/DXL24/26	DX/DXL24/26	DXF126/60
Cross Tee 1	DXT524	DX/DXL524	DX/DXL524	DXF529
Cross Tee 2	—	—	—	DXF529NN
Cross Tee 3	—	—	—	DXF529SS
Stabilizer Bar	CC 15 20			CC 15 20

Ceiling Schematic



Ceiling Plan



Logix Panels

30

- Year System Warranty
- No visible sag
- Mould/mildew protection

**HALCYON CLIMAPLUS
Field Panels**

UL Classified

Edge	Panel Size ¹	Class	Item No.	NRC Min.	CAC	LR ²	Colour	Grid Options	Anti-Mould & Mildew	Recycled Content ³	Panel Cost
SQ 	20" x 60" x 1"	Class A	98261	.95	20	.88	White	A		41%	\$\$
	2' x 2' x 1"	Class A	98221	.95	20	.88	White	A		41%	\$\$
	2' x 4' x 1"	Class A	98241	.95	20	.88	White	A		41%	\$\$
	30" x 30" x 1"	Class A	98331	.95	20	.88	White	A		41%	\$\$\$
	30" x 60" x 1"	Class A	97266	.95	20	.88	White	A		41%	\$\$\$
	4' x 4' x 1"	Class A	98441	.95	20	.88	White	A		41%	\$\$\$
SL 	20" x 60" x 1"	Class A	99267	.95	20	.88	White	B		41%	\$\$
	2' x 2' x 1"	Class A	98223	.95	20	.88	White	B		41%	\$\$
	2' x 4' x 1"	Class A	98243	.95	20	.88	White	B		41%	\$\$
	30" x 30" x 1"	Class A	98333	.95	20	.88	White	B		41%	\$\$\$
	30" x 60" x 1"	Class A	99270	.95	20	.88	White	B		41%	\$\$\$
	4' x 4' x 1"	Class A	98443	.95	20	.88	White	B		41%	\$\$\$
FL 	20" x 54" x 1"	Class A	98360	.95	20	.88	White	C,D		41%	\$\$\$
	20" x 60" x 1"	Class A	98194	.95	20	.88	White	C,D		41%	\$\$
	21" x 24" x 1"	Class A	98195	.95	20	.88	White	C,D		41%	\$\$\$
	2' x 2' x 1"	Class A	98225	.95	20	.88	White	C,D		41%	\$\$
	24" x 42" x 1"	Class A	98196	.95	20	.88	White	C,D		41%	\$\$\$
	2' x 4' x 1"	Class A	98245	.95	20	.88	White	C,D		41%	\$\$
	27" x 30" x 1"	Class A	97333	.95	20	.88	White	C,D		41%	\$\$\$
	30" x 30" x 1"	Class A	98335	.95	20	.88	White	C,D		41%	\$\$\$
	30" x 54" x 1"	Class A	98359	.95	20	.88	White	C,D		41%	\$\$\$
	30" x 60" x 1"	Class A	98336	.95	20	.88	White	C,D		41%	\$\$\$
	42" x 48" x 1"	Class A	98343	.95	20	.88	White	C,D		41%	\$\$\$
	4' x 4' x 1"	Class A	98445	.95	20	.88	White	C,D		41%	\$\$\$

A DX®/DXL™	B DX/DXL	C CENTRICITEE™ DXT	D FINELINE® DXF

**Grid Profile
Options**

30
 Year System Warranty
 – No visible sag
 – Mould/mildew protection

Edge	Panel Size ¹	Class	Item No.	UL Classified		LR ²	Colour	Grid Options	Anti-Mould & Mildew	Recycled Content ³	Panel Cost	
				NRC Min.	CAC							
HALCYON CLIMAPLUS Planks	SQ	2' x 6' x 3/4"	Class A	97262	.90	20	.88	White	A		40%	\$\$\$
		2' x 8' x 3/4"	Class A	97263	.90	20	.88	White	A		40%	\$\$\$
	SL	2' x 6' x 1"	Class A	99268	.95	20	.88	White	B		41%	\$\$\$
		2' x 8' x 1"	Class A	99269	.95	20	.88	White	B		41%	\$\$\$
	FL	2' x 6' x 1"	Class A	98348	.95	20	.88	White	C,D		41%	\$\$\$
		2' x 8' x 1"	Class A	98197	.95	20	.88	White	C,D		41%	\$\$\$
HALCYON CLIMAPLUS Channel Panels	SQ	6" x 48" x 1"	Class A	97227	.95	20	.88	White	A		41%	\$\$\$\$
		6" x 60" x 1"	Class A	97228	.95	20	.88	White	A		41%	\$\$\$\$
	SL	6" x 48" x 1"	Class A	99271	.95	20	.88	White	B		41%	\$\$\$\$
		6" x 60" x 1"	Class A	99272	.95	20	.88	White	B		41%	\$\$\$\$
	FL	6" x 48" x 1"	Class A	98198	.95	20	.88	White	C,D		41%	\$\$\$\$
		6" x 60" x 1"	Class A	98199	.95	20	.88	White	C,D		41%	\$\$\$\$

Legend

CLIMAPLUS Inherent Performance⁴
 Fiberglass substrate is inherently resistant to the growth of mould and mildew.

Grid Profile Options

A	B	C	D
DX/DXL	DX/DXL	CENTRICITEE DXT	FINELINE DXF

Logix Channel Interface Options

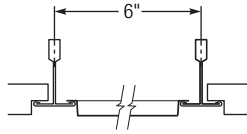
Channel Section

Visit USGDesignStudio.com
for complete details on compatible
utility options and documentation

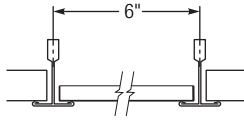
LOGIX Basic

Acoustical Field Panel: HALCYON CLIMAPLUS
Metal Utility Panel: PANZ or CELEBRATION Panel, 6" Wide x 48" or 60" Long

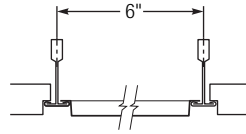
Channel Panel: PANZ
Suspension: DX/DXL
Edge: USL



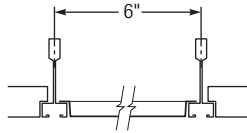
Channel Panel: PANZ
Suspension: DX/DXL
Edge: USQ



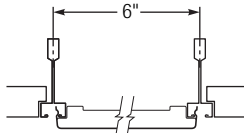
Channel Panel: PANZ
Suspension: FINELINE DXF
Edge: UFL



Channel Panel: PANZ
Suspension: FINELINE DXF
Edge: UFL

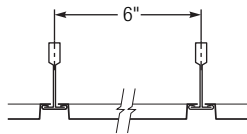


Channel Panel: CELEBRATION
Suspension: FINELINE DXF
Edge: CEL

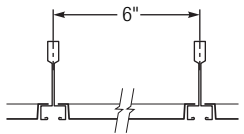


Metal Field Panel: PANZ or CELEBRATION
Metal Channel Panel: PANZ or CELEBRATION Panel, 6" Wide x 48" or 60" Long

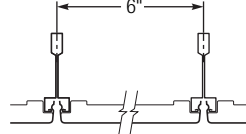
Field and Channel Panel: PANZ
Suspension: CENTRICITEE DXT
Edge: UFL



Field and Channel Panel: PANZ
Suspension: FINELINE DXF
Edge: UFL



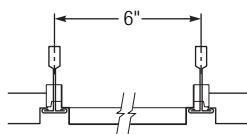
Field and Channel Panel: CELEBRATION
Suspension: FINELINE DXF
Edge: CEL



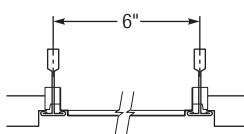
LOGIX Linear

**6" Wide Uninterrupted Channel Accommodates 48" or 60" Light Fixtures
or HVAC Linear Diffusers with a 12" or 24" Logix Connector Panel**

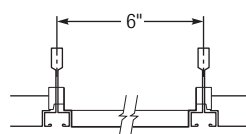
Connector Panel: PANZ
Suspension: CENTRICITEE DXT
Edge: UFL



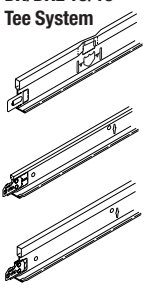






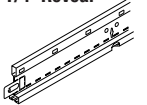
Connector Panel: PANZ
Suspension: CENTRICITEE DXT
Edge: UFM



Connector Panel: PANZ
Suspension: FINELINE DXF
Edge: UFL



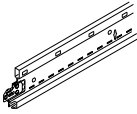
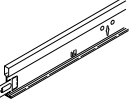
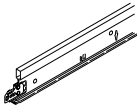
Logix Suspension Systems

		ASTM Class	Length	Height	Item No.	Class	Seismic Zones		Down Seismic Solutions	Rated Load ^{5,6}		
							UBC	IBC	Categories D, E, F Alternate Method	4' Hanger Spacing	5' Hanger Spacing	6' Hanger Spacing
 <p>DX/DXL 15/16" Tee System</p> <p>Main Tee</p> <p>Cross Tee 1"</p> <p>Cross Tee 1-1/2"</p>	Intermediate Duty	12'	1-1/2"	DX/DXL24		0-4	A-C		12 lbs./LF	6.1 lbs./LF	3.6 lbs./LF	
	Heavy Duty	12'	1.64"	DX/DXL26		0-4	A-F		16 lbs./LF	7.3 lbs./LF	4.9 lbs./LF	
			2'	1"	DX/DXL216		0-4	A-F				
			30"	1-1/2"	DX30	Class A	0-4	A-F				
			4'	1-1/2"	DX/DXL424		0-4	A-F				
					DX/DXL422	Class A	0-4	A-F				
			5'	1-1/2"	DX/DXL524		0-4	A-F				
			6'	1-1/2"	DX624	Class A	0-4	A-F				
			8'	1-1/2"	DX824	Class A	0-4	A-F				
	 <p>FINELINE DXF 9/16" Tee System with 1/4" Reveal</p> <p>Main Tee</p>	Intermediate Duty	6-1/2'	1-25/32"	DXF78/24	Class A	0-4	A-C		12 lbs./LF	6.1 lbs./LF	3.6 lbs./LF
				DXF78/72	Class A	0-4	A-C		12 lbs./LF	6.1 lbs./LF	3.6 lbs./LF	
			8'	1-25/32"	DXF96/30	Class A	0-4	A-C		12 lbs./LF	6.1 lbs./LF	3.6 lbs./LF
			8-1/2'	1-25/32"	DXF102/96	Class A	0-4	A-C		12 lbs./LF	6.1 lbs./LF	3.6 lbs./LF
					DXF102/48	Class A	0-4	A-C		12 lbs./LF	6.1 lbs./LF	3.6 lbs./LF
					DXF102/24	Class A	0-4	A-C		12 lbs./LF	6.1 lbs./LF	3.6 lbs./LF
			9'	1-25/32"	DXF108/24	Class A	0-4	A-C		12 lbs./LF	6.1 lbs./LF	3.6 lbs./LF
					DXF108/42	Class A	0-4	A-C		12 lbs./LF	6.1 lbs./LF	3.6 lbs./LF
			10'	1-25/32"	DXF120/27	Class A	0-4	A-C		12 lbs./LF	6.1 lbs./LF	3.6 lbs./LF
					DXF120/54	Class A	0-4	A-C		12 lbs./LF	6.1 lbs./LF	3.6 lbs./LF
			10-1/2'	1-25/32"	DXF126/60	Class A	0-4	A-C		12 lbs./LF	6.1 lbs./LF	3.6 lbs./LF
			11'	1-25/32"	DXF132/30	Class A	0-4	A-C		12 lbs./LF	6.1 lbs./LF	3.6 lbs./LF
					DXF132/60	Class A	0-4	A-C		12 lbs./LF	6.1 lbs./LF	3.6 lbs./LF
			12'	1-25/32"	DXF144/21	Class A	0-4	A-C		12 lbs./LF	6.1 lbs./LF	3.6 lbs./LF
				DXF144/42	Class A	0-4	A-C		12 lbs./LF	6.1 lbs./LF	3.6 lbs./LF	

Logix Integrated Ceiling Systems

Logix Channel Interface Options/Suspension Systems

Logix Suspension Systems

	ASTM Class	Length	Height	Item No.	Class	Seismic Zones		Down Seismic Solutions	Rated Load ^{5,6}		
						UBC	IBC	Categories D, E, F Alternate Method	4' Hanger Spacing	5' Hanger Spacing	6' Hanger Spacing
							⦿	Ⓜ			
 Cross Tee		21"	1-25/32"	DXF21	Class A	0-4	A-C				
		2'	1-25/32"	DXF229	Class A	0-4	A-C				
		27"	1-25/32"	DXF27	Class A	0-4	A-C				
		30"	1-25/32"	DXF30	Class A	0-4	A-C				
		42"	1-25/32"	DXF42	Class A	0-4	A-C				
		4'	1-25/32"	DXF429	Class A	0-4	A-C				
				DXF429N	Class A	0-4	A-C				
				DXF429S	Class A	0-4	A-C				
		54"	1-25/32"	DXF54	Class A	0-4	A-C				
		5'	1-25/32"	DXF529	Class A	0-4	A-C				
				DXF529N	Class A	0-4	A-C				
				DXF529S	Class A	0-4	A-C				
				DXF529NN	Class A	0-4	A-C				
				DXF529SS	Class A	0-4	A-C				
	6'	1-25/32"	DXF629	Class A	0-4	A-C					
	8'	1-25/32"	DXF829	Class A	0-4	A-C					
 CentricITEE DXT 9/16" Tee System	Intermediate Duty	12'	1-1/2"	DXT24	Class A	0-4	A-C		12 lbs./LF	6.6 lbs./LF	
				UCDXT24⁷	Class A	0-4	A-C		12 lbs./LF	6.6 lbs./LF	
				UCDXT26⁷	Class A	0-4	A-C		12 lbs./LF	6.6 lbs./LF	
	Heavy Duty	12'	1-1/2"	DXT26	Class A	0-4	A-F		16 lbs./LF	7.3 lbs./LF	
 Cross Tee		21"	1-1/2"	DXT2122	Class A	0-4	A-F				
		2'	1-1/2"	DXT222	Class A	0-4	A-F				
				DXLT222	⦿	0-4	A-F				

	ASTM Class	Length	Height	Item No.	Class	Seismic Zones		Down Seismic Solutions	Rated Load ^{5,6}			
						UBC	IBC	Categories D, E, F Alternate Method	4' Hanger Spacing	5' Hanger Spacing	6' Hanger Spacing	
CENTRICITEE DXT 9/16" Tee System (continued)	Cross Tee	27"	1-1/2"	DXT2722	Class A	0-4	A-F					
		42"	1-1/2"	DXT4224	Class A	0-4	A-F					
		4'	1-1/2"	DXT422	Class A	0-4	A-F					
				DXT424	Class A	0-4	A-F					
				DXLT424		0-4	A-F					
		54"	1-1/2"	DXT5424	Class A	0-4	A-F					
		5'	1-1/2"	DXT524	Class A	0-4	A-F					
		6'	1-1/2"	DXT624	Class A	0-4	A-F					
		8'	1-1/2"	DXT824	Class A	0-4	A-F					

Accessories		Length	Item No.
	Strut Stabilizer	20"	CC1520
		30"	CC1530
	Stabilizer Bar	2'	SB24
		4'	SB48
		5'	SB60

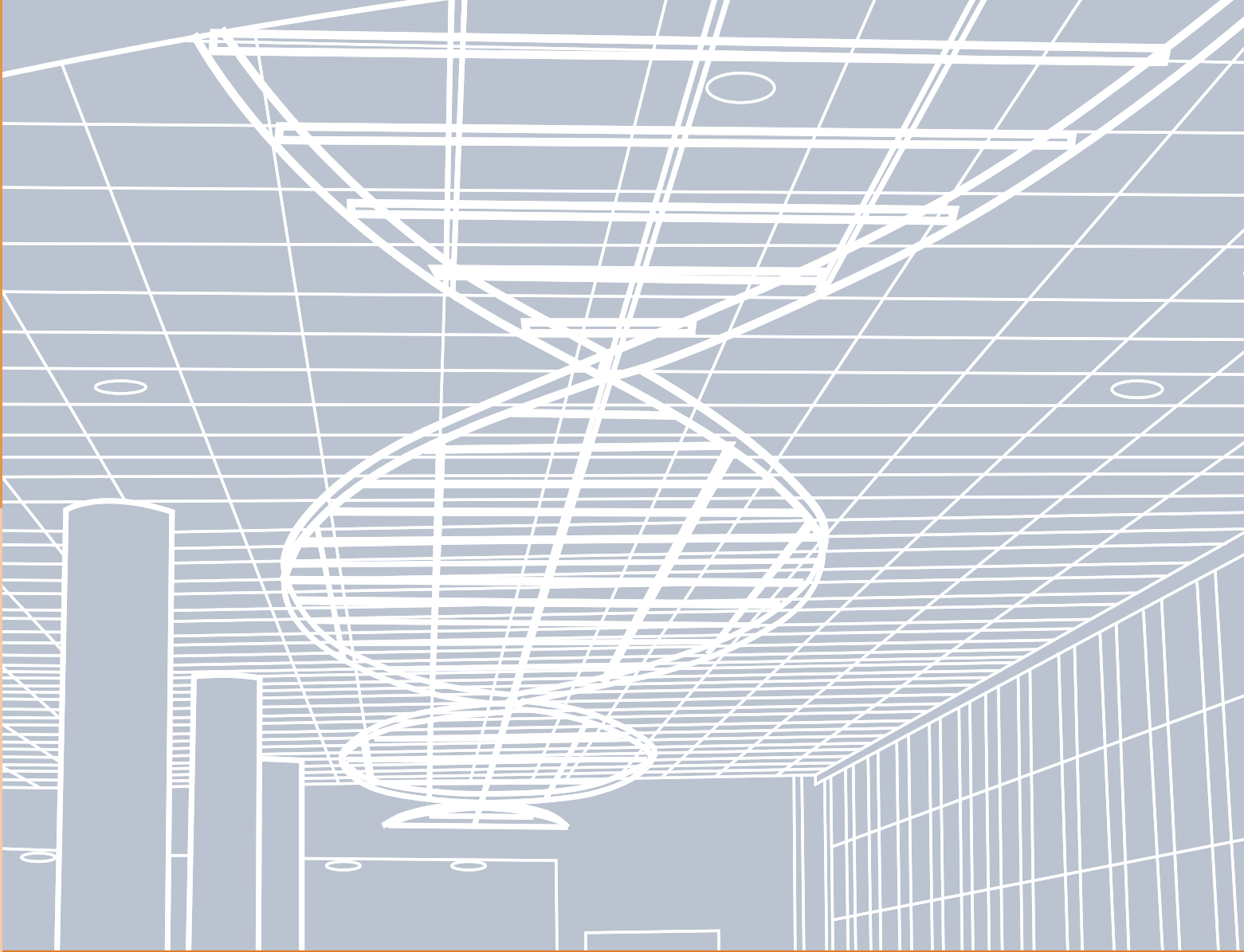
Physical Data/ Footnotes	<p>HALCYON CLIMAPLUS Ceiling Panels: ASTM E1 264 classification Type XII, Form 2, Pattern G</p> <p>ASTM E84 surface burning characteristics Class A Flame spread: 25 Smoke developed: 50</p> <p>Weight 0.38 lb./sq. ft. (3/4" panels) 0.47 lb./sq. ft. (1" panels)</p> <p>Thermal resistance R-3.3 (3/4" panels) R-4.4 (1" panels)</p> <p>Maximum backloading See Warranty for details.</p>	<p>Maintenance Can be cleaned easily with a soft brush or vacuum.</p> <p>Suspension Systems:</p> <p>Material CENTRICITEE and DX/DXL systems: Double-web hot-dipped galvanized steel body; steel cap finished with four-step protective coating. FINELINE system: Double-web hot-dipped galvanized steel tee.</p> <p>Recycled content 25%. For details, see the Sustainability selector.</p> <p>Installation Must be installed in compliance with</p>	<p>ASTM C636, CISCA, and standard industry practices.</p> <p>ICC Evaluation Service, Inc., Report Compliance Suspension systems manufactured by CGC Interiors, Inc., have been reviewed and are approved by listing in ICC-ES Evaluation Reports. Evaluation Reports are subject to reexamination, revision and possible cancellation. Please refer to USGDesignStudio.com for current reports.</p> <p>L.A. Research Report Compliance Down brand suspension systems manufactured by CGC Interiors, Inc., have been reviewed and are approved by listing in one or more of the following L.A. Research Report numbers: 22179, 23451, 24095.</p>	<p>ASTM C635 Standard for Load Compliance Systems described here meet or exceed UL load compliance specifications per ASTM C635. Main tees will not deflect more than 1/8" over a 48" span (or L/360) in Light Duty, Intermediate Duty or Heavy Duty categories.</p>	<p>Footnotes</p> <ol style="list-style-type: none"> 1. Stabilizer bars recommended for panels 5' and longer. 2. LR values are shown as averages. 3. For details, see the Sustainability selector. 4. For details, see <i>Ceiling Systems Warranties and Limitations</i> and <i>CLIMAPLUS Ceilings Certification of Performance</i>. 5. Load test data shows uniform load in lbs./LF based on simple span tests in accordance with ASTM C635 deflection limit on L/360. 6. Punched 3" o.c.
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Support

Technical Information

Page	
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274	Sound Test Data
276	Fire-Rated Ceiling Assemblies
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292	Product Index



Welcome to USG Design Studio

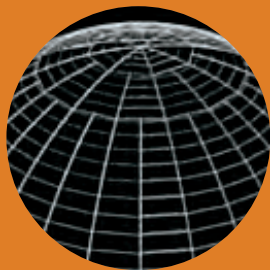
- Online design tool featuring 3-D modeling.
- Specification generators.
- Integrated product and systems selectors.



Your online resource for quick and accurate specification

USG Design Studio is a new, free and fully accessible online resource for architects, designers, specifiers and contractors. This comprehensive web tool provides advanced capabilities and rich information to help you quickly and accurately specify the right products and systems for your interior ceilings, walls and floors. Compare options, choose selections, and make changes on the fly – with just a few clicks of a mouse. USG Design Studio features include:

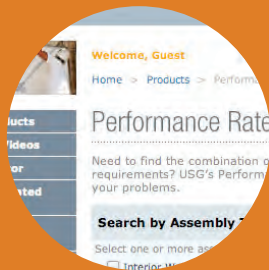
- 1 Assembly Animations
- 2 Architectural Specifications
- 3 Performance-Rated System Selectors
- 4 Product and System Selectors



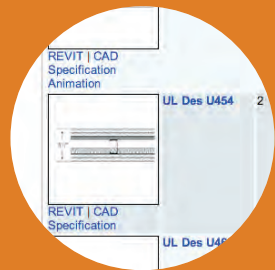
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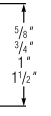
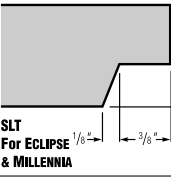
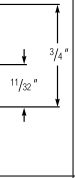
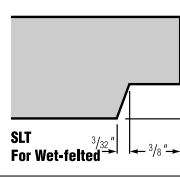
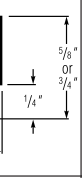
4



Home > Acoustical Ceilings > Edge Dimensions

Edge Dimensions:

Click on the image to download a CAD file of that edge detail with dimensions

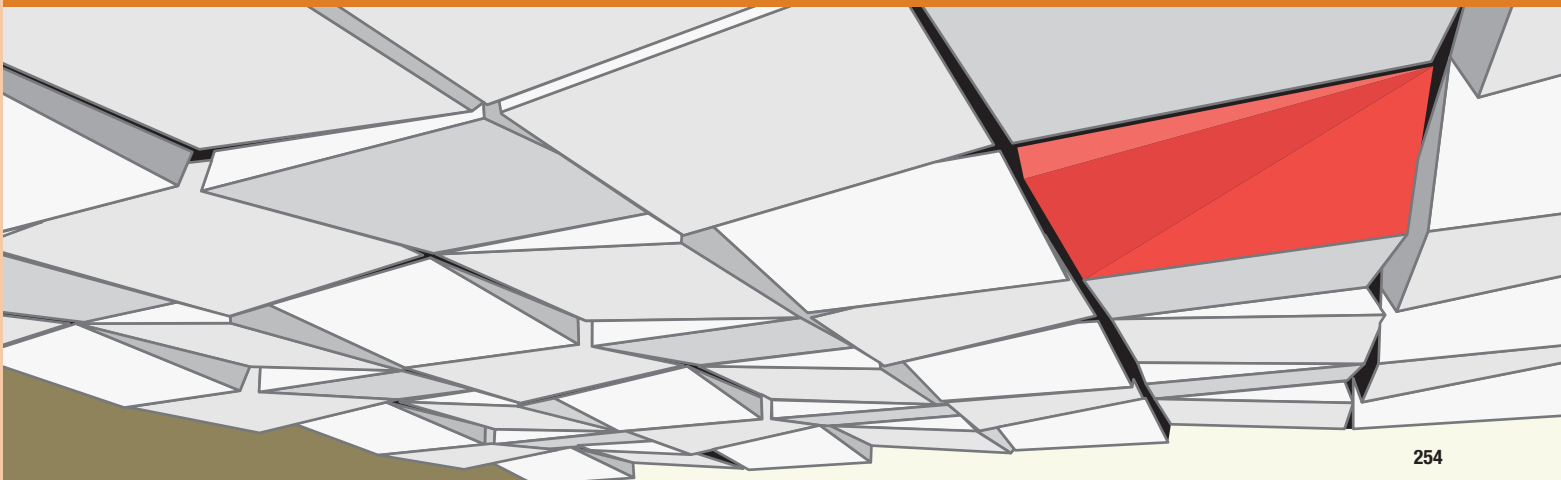
Edge Detail			
<p>Square Edge (SQ)</p> 	<p>SQ For Cast, Wet-felted, MILLENNIA, MARS, HALCYON, ECLIPSE & Glass</p>		
<p>Shadowline Tapered (SLT)</p> 	<p>SLT For ECLIPSE & MILLENNIA</p>		
		<p>SLT For Wet-felted</p>	



12 ft

USGDesignStudio.com

Assembly Animation



USG Design Studio Features

Begin with a system-by-system navigational path, and select your basic criteria: performance attributes or design attributes. Each brings you tools and options that, from concept to completion, provide the necessary specifications.

Assembly Animations

USG Design Studio hosts the most extensive wall and ceiling CAD library and drawing tools in the industry to help you visualize each system and how multiple systems interrelate.

Architectural Specifications

Product selectors throughout the site **generate three-part MasterFormat specifications** tailored to your project needs, provided in Microsoft Word for inclusion in your submittal documents.

Performance-Rated System Selectors

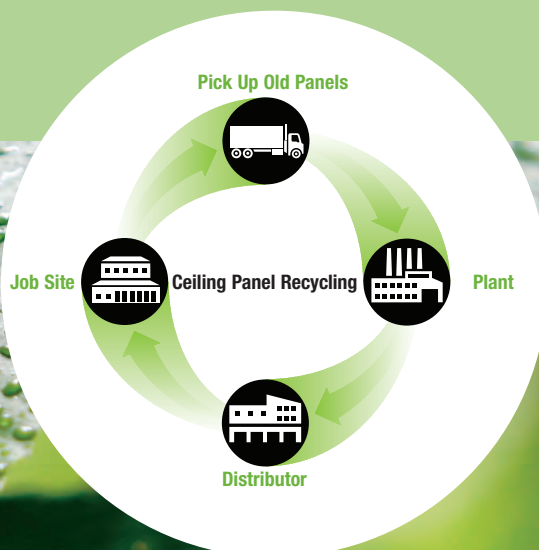
Select the products, systems and assemblies based on design criteria and performance specifications. USG Design Studio even allows you to make **head-to-head comparisons** with competing products!

Explore USG Design Studio at USGDesignStudio.com, or ask your CGC representative about a guided tour for a comprehensive look at the capabilities and functionality of this exciting new resource.

Ceiling Panel Recycling Program

Turn used ceiling panels into new building products instead of landfill

Now you can recycle your old ceiling panels and still stay on schedule and on budget. In the same time required to haul small loads of old panels to a dumpster, workers can palletize panels as they are removed. Recycling ceiling panels won't happen if it adds to the time and cost of a renovation. That's why we've designed this program to be fast, easy and cost-effective.



Protect the environment while staying on time and on budget



Reclaiming used ceiling panels is just one part of CGC's strong commitment to the environment. We've used recaptured gypsum to manufacture wallboard for more than 30 years, and we're one of the nation's top users of recycled paper. Now, you can help us extend sustainable practices to the end of the product life cycle, bringing protection of resources and the environment full circle.

First, check that your ceiling panels qualify for recycling. If you have any questions, contact your local CGC representative. Then, remove them as you normally would. Material must be clean, dry and approved by CGC. No wood, metal or construction debris of any kind. Panels must not have come into contact with any hazardous material that requires special handling or disposal.

Acceptable for recycling: Ceiling panels manufactured by CGC and other manufacturers; primarily mineral fiber ceiling products. Not acceptable: Panels from an installation where hazardous materials have been used, foil-laminate panels, fabric- or vinyl-faced panels, wet, mouldy or weathered panels, wood-fiber panels, custom-coloured or post-painted panels, or other panels that do not meet our manufacturing process requirements.

Next, stack the panels neatly on 4' x 4' shipping pallets. Double stacking is the most environmentally responsible way to ship. To do this, stack panels no higher than 4'. If you prefer to single-stack the pallets, stack the panels no higher than 6'.

- 1 Place** a CGC Ceiling Panel Packaging Label on two of the four pallet faces so that each is clearly visible and stays in place.
- 2 Secure** the panels to pallets with stretch wrap or metal bands.
- 3 Package** the material so that the pallets remain stable. All panels must be straight on pallets and secured within the trailer so that loads won't fall during transit or unloading.

Before you start to stack, make sure that your materials are acceptable, that a CGC representative and the owner or owner's representative have signed the CGC Recycling Contract, and that you have a pallet jack (and maybe a forklift, depending on the dock) available to move the loaded pallets.

Finally, we'll pay your way, as long as you meet some simple conditions:

- you have a full truckload
- the material has been approved
- a completed contract has been signed
- you call your local CGC salesperson at least five days prior to desired pickup.

A full truckload is 30,000 square feet, with 22 pallets of 4' x 4' single-stacked (6' in height) on a trailer. If you can't fill a truck, there are other options. Our goal is to prevent recyclable materials from being discarded into landfills.

If you have less than a truckload, call your CGC sales representative to learn about other options.



CGC has a long history of supporting the development and research of seismic ceiling design and application, and we remain committed to this endeavor through product development, participation in industry associations, and supporting the evolution of building codes as new knowledge and product technologies become available.

Commitment to Seismic Research and Design

DOWN grid is produced with the optimal combination of shape, size, steel gauge and connection details to produce systems with the greatest stiffness and movement resistance.

The advanced connection details used on DOWN grid are nearly double the intersection strength requirement of 180 lbs. of tension and compression for seismic construction.

Extensive seismic testing proves the advanced connection details along with the systems' optimal combination of shape, size, and steel gauge.

Why CGC ceiling systems outperform seismic requirements



CGC continues to team with the University at Buffalo (SUNY), the Department of Civil, Structural and Environmental Engineering – Structural Engineering and Earthquake Simulation Laboratory (SEESL) as well as the University of California, Berkeley, Earthquake Engineering Research Center (EERC). We are proud to commit significant resources to this ongoing endeavor.

Since 1957 DOWN suspension systems have set the standard, with the optimal combination of shape, size, steel gauge and connection details to produce the tightest systems available, with the greatest lateral and torsional stiffness. For these reasons, suspension systems from CGC are proven to greatly exceed the lateral forces experienced in a seismic event.

Seismic testing typically focuses on the suspension system, without minimum weight requirements for ceiling panels and no requirement to include components such as light fixtures and air handling equipment. On the job, however, the suspension system must support and carry the weight of a fully functional ceiling, including ceiling panels that can weigh up to 2 lb./sq. ft. or more.

For this reason, CGC tested suspension systems with light fixtures, air handling equipment, and a wide range of CGC ceiling panels. This full-scale testing certifies that CGC IBC-compliant assemblies accommodate loads 39% heavier than those claimed by competing systems. As demonstrated by these superior test results, no other suspension system can match the tightness and seismic performance of CGC suspension systems.

Note that the University at Buffalo and the University of California do not endorse specific products.



Environmental Statement

**Visit the Sustainable
Ceilings Resource Center at
sustainableceilings.com**

Integrity, dependability and innovation are the standards by which CGC operates. We believe that health, safety and environmental well-being are compatible with economic health. We have a longstanding commitment to our employees, our customers and our communities to:

- Provide product and manufacturing solutions that reduce environmental impact
- Eliminate manufacturing waste at our plants
- Use recycled materials in product formulation and development

Reducing Environmental Impact

As a manufacturer, we are dedicated to safeguarding the environment. CGC has a solid history of environmental responsibility and is constantly seeking environmentally sound products and manufacturing solutions.

Environmentally friendly alternatives

CGC's FIBEROCK® brand AQUA-TOUGH™ floor underlayment not only incorporates a patented technology that delivers outstanding performance benefits, but also offers an environmentally friendly alternative to conventional wood-based underlayments. FIBEROCK underlayment is made from 100 percent recycled gypsum and 100 percent recycled cellulose fibers, recycled from scraps of cardboard box manufacturing. We also produce FIBEROCK® brand AQUA-TOUGH™ interior panel, tile backerboard and sheathing using the same technology.

In recognition of these achievements, CGC has earned independent certification from Scientific Certification Systems (SCS).

Using recaptured gypsum

Recaptured gypsum, also called synthetic gypsum, is a byproduct of several processes including flue gas desulfurization (FGD), which reduces acid rain by removing sulfur dioxide from the emissions of fossil-fuel-burning power plants. Our use of recaptured gypsum reduces the amount of this material that gets disposed in landfills. Wallboard made from recaptured gypsum offers the same properties and benefits as wallboard made from mined gypsum rock.

CGC has used recaptured gypsum to manufacture wallboard since 1974. Currently, we produce 24 percent (2.3 million tons per year) of our total production with recaptured gypsum cores. Nearly 50 percent of our wallboard plants use recaptured gypsum to some degree.

Eliminating Manufacturing

Our plants consume clean fuels, such as low-sulfur oil and natural gas, wherever possible. Water treatment equipment installed at our paper mills and ceiling panel plants recycles water and reduces effluent discharges into municipal treatment systems.

Recycling heat

CGC plants also conserve energy by recycling heat. Heat-exchange processes are used throughout our manufacturing operations to conserve energy and maximize efficiency. For example, we use heat from thermal process discharges to warm other parts of the plants.

Reusing waste

Our gypsum plants recycle plant waste back into the manufacturing process. CGC wallboard plants have a 95 percent recovery rate, and part of the remaining 5 percent is repurposed as protective material to support stacks of gypsum panels. Ceiling panels that are chipped or broken during manufacturing are also recycled and then returned to the process.

Using Recycled Materials	The foundation of CGC is built on gypsum rock, which we complement with alternative resources, such as recycled industrial material, post-consumer waste and renewable agricultural sources. Incorporating these alternatives helps to preserve natural resources, support clean air and ease disposal problems for public utilities and other companies.
Reusing byproducts	<ul style="list-style-type: none"> – CGC has used recaptured gypsum to manufacture wallboard for more than 25 years. (See recaptured gypsum section for more information.) – CGC uses fly ash, a byproduct of coal-fired utility plants, in the core of its cement board products. Lignin sulfonate, a byproduct from the paper industry, is also part of the formulation for gypsum wallboard. CGC uses slag, a byproduct of steel manufacturing, in manufacturing mineral wool for acoustical ceiling panels. – CGC uses post-industrial wastepaper for its acoustical ceiling panels and wallboard products.
Reusing discarded material	– Since the 1960s, CGC has made its own wallboard paper from 100 percent recycled paper including newspapers, phone books, corrugated cartons and cardboard cuttings. CGC grid can be recycled completely by remelting and salvaging the metal. Twenty-five percent of the material used in our steel fabrication plants is recycled. We also use waste newspaper to manufacture acoustical ceiling panels.
Reusing renewable agricultural sources	<ul style="list-style-type: none"> – Our plants use corn and wheat starches as binders in the manufacture of drywall and ceiling products. – These agricultural sources can be harvested and replanted in a continuous cycle of renewal.
Leadership	CGC supports environmental initiatives and is involved with a variety of environmental organizations.
U.S. Green Building Council and Canadian Green Building Council	In 1993, our parent company USG helped establish the U.S. Green Building Council (USGBC), a diverse coalition of principal groups involved in the building industry. The council's mission is to promote buildings that are environmentally responsible, profitable and healthy places to live and work. The CAGBC is affiliated with the USGBC. The CAGBC was founded in 2002 and based in Ottawa, they hold the license for LEED in Canada.
LEED Program	The Leadership in Energy and Environmental Design (LEED) program created a building rating system to evaluate environmental performance from a "whole building" perspective, providing a standard for "green building." Credits are earned for satisfying specific building criteria. CGC endorses this program by contributing environmentally sound products that help a builder earn credits toward a green building.
National Association of Home Builders	CGC is involved in construction recycling demonstration projects with the National Association of Home Builders (NAHB).

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Packaging Information

The following are packaging quantities and details for CGC acoustical ceilings panels.

Product Name	Item Number	Weight/ Carton	Pieces/ Carton	Sq. Ft./ Carton	Ctns/ Pallet	
ASPEN	650	54	12	48	20	
	651	54	6	48	20	
	652	54	6	48	20	
ASTRO CLIMAPLUS	8221	60	16	64	16	
	8122	55	12	48	20	
	8223	60	16	64	16	
	8227	60	16	64	16	
	8241	60	8	64	18	
	8243	58	8	64	18	
	8247	61	8	64	18	
	8322	60	12	48	20	
	8722	57	12	48	20	
	8742	59	6	48	20	
	8744	59	6	48	20	
BRIO CLIMAPLUS	308	48	8	32	28	
	309	49	8	32	28	
CLEAN ROOM CLIMAPLUS	56060	72	16	64	16	
	56090	72	8	64	18	
	56091	72	8	64	18	
	56099	72	16	64	16	
ECLIPSE CLIMAPLUS	70073	45	40	40	18	
	76575	49	12	48	20	
	ME76775	49	12	46.5	20	
	76775	49	12	48	20	
	76779	57	12	48	20	
	ME76975	49	12	46.5	16	
	76975	49	12	48	20	
	76979	54	12	48	20	
	78575	49	6	48	20	
	78775	49	6	48	20	
	78975	49	6	48	20	
	ECLIPSE CLIMAPLUS Illusion and Pedestals	78785	49	6	48	20
		72015	55	12	48	20
72215		55	12	48	20	
72715		55	12	48	20	
72716		55	12	48	20	
78085		49	6	48	20	

Product Name	Item Number	Weight/ Carton	Pieces/ Carton	Sq. Ft./ Carton	Ctns/ Pallet
"F" FISSURED	101	75	48	48	32
	102	75	48	48	32
	131	50	8	32	28
	132	49	8	32	28
	133	49	8	32	28
	135	72	6	48	16
	136	72	6	48	16
FISSURED	506	43	16	64	20
	507	43	8	64	20
	560	42	16	64	20
	562	42	8	64	20
	585	65	16	64	16
	586	65	8	64	18
FRESCO CLIMAPLUS	608	48	8	32	28
	609	49	8	32	28
FROST CLIMAPLUS	414	48	8	32	28
	418	49	8	32	28
	419	49	8	32	28
FROST	400	48	8	32	28
	415	49	8	32	28
	440	48	8	32	28
	450	71	6	48	16
	460	71	6	48	16
FROST CLIMAPLUS High LR	490	48	8	32	28
	491	49	8	32	28
GLACIER	701	70	44	44	32
	707	42	8	32	28
	708	43	8	32	28
	711	66	6	48	16
	715	44	8	32	28

Packaging Information

The following are packaging quantities and details for CGC acoustical ceilings panels.

Product Name	Item Number	Weight/ Carton	Pieces/ Carton	Sq. Ft./ Carton	Ctns/ Pallet
HALCYON CLIMAPLUS	88221	24	12	48	28
	88223	47	12	96	14
	88224	46	8	64	14
	88225	24	12	48	28
	88226	47	12	96	14
	88227	24	12	48	28
	97221	25	16	64	28
	97241	49	16	128	14
	98221	23	12	48	28
	98223	23	12	48	28
	98225	23	12	48	28
	98241	45	12	96	14
	-98243	45	12	96	14
	98245	45	12	96	14
	98331	35	12	75	14
	98333	35	12	75	14
	98335	35	12	75	14
	99221	22	8	32	28
	99223	22	8	32	28
	99225	22	8	32	28
99241	44	8	64	14	
HALCYON CLIMAPLUS Planks	97262	56	16	192	14
	97263	100	16	256	14
	98197	92	12	192	14
	98348	69	12	144	14
	99268	69	12	144	14
	99269	92	12	192	14
HALCYON CLIMAPLUS Large Sizes	98441	90	12	192	7
	98443	90	12	192	7
	98445	90	12	192	7
	98481	60	4	128	28
HALCYON CLIMAPLUS LOGIX Channel Panels	97227	44	48	96	14
	97228	55	48	120	14
	98198	46	48	96	14
	98199	58	48	120	14
	99271	46	48	96	14
	99272	58	48	120	14
HALCYON CLIMAPLUS LOGIX Field Panels	97266	72	12	150	14
	97333	33	12	68	14
	98194	48	12	100	14
	98195	20	12	42	28
	98196	46	12	84	14
	98261	48	12	100	14
	98336	72	12	150	14
	98343	81	12	168	14
	98359	65	12	135	14
	98360	43	12	90	14
	99267	48	12	100	14
	99270	72	12	150	14

Product Name	Item Number	Weight/ Carton	Pieces/ Carton	Sq. Ft./ Carton	Ctns/ Pallet
MARS CLIMAPLUS	86185	51	12	48	20
	86785	51	12	48	20
	86985	51	12	48	20
	88185	51	6	48	20
	88785	51	6	48	20
	88985	51	6	48	20
	MARS CLIMAPLUS High-NRC	86830	45	6	37.5
86100		59	10	40	20
86300		59	6	48	20
86400		45	6	37.5	20
86500		45	6	37.5	20
87100		59	10	40	20
87200		59	10	40	20
89500		59	6	48	20
89600		59	6	48	20
MILLENNIA CLIMAPLUS		70003	51	40	40
	76505	51	12	48	20
	76705	51	12	48	20
	76901	51	6	48	20
	76907	51	12	48	20
	78505	51	6	48	20
	78705	51	6	48	20
	MILLENNIA CLIMAPLUS Illusion	78080	48	6	48
78780		49	6	48	20
MILLENNIA CLIMAPLUS High-NRC	76201	51	12	48	20
	76302	50	12	48	20
OLYMPIA MICRO CLIMAPLUS	4211	64	16	64	20
	4221	64	16	64	20
	4231	64	16	64	20
	4411	64	8	64	20
	4421	64	8	64	20
	4431	64	8	64	20
	4742	64	6	48	20
PEBBLED CLIMAPLUS	4800	56	8	64	20
	4801	56	16	64	20
	4805	55	16	64	20
	4867	56	8	64	20

Product Name	Item Number	Weight/ Carton	Pieces/ Carton	Sq. Ft./ Carton	Ctns/ Pallet
RADAR	2110	42	16	64	20
	ME2110	42	16	62	16
	2115	74	16	64	16
	ME2120	46	16	64	20
	2120	46	16	62	16
	2121	46	12	48	20
	2125	74	16	64	16
	2130	46	16	64	16
	2310	42	8	64	20
	ME2310	42	8	62	18
	2311	46	6	48	20
	2315	74	8	64	18
	2320	42	8	64	20
	2617	43	8	67	20
	2618	85	6	75	10
	2619	53	8	80	20
	2990	54	48	48	18
RADAR Illusion	2742	46	6	48	20
RADAR CLIMAPLUS High-NRC	22111	58	12	48	20
	22121	58	12	48	20
	22127	58	12	48	20
	22310	73/75	8	64	18
	22311	58	6	48	20
RADAR Ceramic CLIMAPLUS	56644	79	12	48	20
	56645	79	6	48	20
RADAR CLIMAPLUS	2210	46	16	64	20
	2215	74	16	64	16
	2220	48	16	64	20
	ME2220	48	16	62	16
	2225	75	16	64	16
	2230	48	16	64	20
	2410	46	8	64	20
	2410P	46	8	64	20
	ME2410	46	8	62	18
	2415	74	8	64	18
	2420	48	8	64	18
	2425	75	8	64	18
	2570	57	48	48	18

Product Name	Item Number	Weight/ Carton	Pieces/ Carton	Sq. Ft./ Carton	Ctns/ Pallet
RADAR CLIMAPLUS High-Durability	2207	48	16	64	16
	2227	48	16	64	16
	2407	46	8	64	18
RADAR CLIMAPLUS Illusion	2842	46	6	48	20
	2844	46	6	48	20
	2846	46	6	48	20
	2852	46	6	48	20
	2854	46	6	48	20
	2856	46	6	48	20
	2862	46	6	48	20
	2864	46	6	48	20
	2866	46	6	48	20
	2882	46	6	48	20
ROCK FACE CLIMAPLUS	55483	71	12	48	20
	56335	82	12	48	20
	56380	82	6	48	20
SANDRIFT CLIMAPLUS	808	48	8	32	28
	809	48	8	32	28
SANDRIFT	815	49	8	32	28
SUMMIT CLIMAPLUS	990	42	6	24	32
	991	43	6	24	32
TOUCHSTONE CLIMAPLUS	5893	65	12	48	20
	5894	65	6	48	20
	5896	65	12	48	20
	5899	65	12	48	20

Acoustical Ceilings

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Section 09511 – Acoustical Panel Ceilings

1: General	1.01 Description of Work	<p>A. Related work specified elsewhere:</p> <ol style="list-style-type: none"> 1. Insulation: -Section _____. 2. Mechanical equipment: Section _____. 3. Electrical: -Section _____. 4. Gypsum board systems: -Section _____. 5. Ceiling suspension systems: -Section _____. <p>B. Work installed but furnished under other sections (include applicable requirements):</p> <p>C. Work furnished but installed under other sections: (include applicable requirements):</p>
	1.02 System Description	<p>Standard Panels: -Suspended (New Fire-Rated) ceiling system consisting of acoustical panel ceiling suspension system. System shall be rated NRC () in accordance with ASTM C423 and CAC () in accordance with ASTM test method E1414 and classification E413 as tested by an independent agency.</p> <p>FIRECODE™ formulation panels: Suspended (non-fire-rated) (fire-rated) ceiling system consisting of acoustical panel ceiling suspension system. System shall be rated NRC () in accordance with ASTM C423 and CAC () in accordance with ASTM test method E1414 and classification E413 as tested or witnessed by an independent agency.</p> <p>CAC: Ceiling Attenuation Class.</p> <p>LR: Light Reflectance coefficient.</p> <p>NRC: Noise Reduction Coefficient.</p> <p>Recycled Content: Average percentage based on weight of component materials. Material recovered or diverted from the solid waste stream, either during the manufacturing process (pre-consumer) or after consumer use (post-consumer).</p>
	1.03 Delivery and Storage of Materials	<p>A. All materials shall be delivered in their original unopened packages and stored in an enclosed shelter providing protection from damage and exposure to the elements.</p> <p>B. Storage time of materials at the jobsite should be as short as possible, and environmental conditions should be as near as possible to those specified for occupancy (see no. 1.04 below). Excess humidity during storage can cause expansion of material and possible warp, sag, or poor fit after installation. Chemical changes in the mat and/or coatings can be aggravated by excess humidity and cause discoloration during storage, even in unopened cartons. Cartons should be removed from pallets and stringers to prevent distortion of material. Long-term (6-12 months) storage under uncontrolled environmental conditions should be avoided.</p> <p>C. Damaged or deteriorated materials should be removed from the premises. Immediately before installation, to stabilize tile and panels, store them at a location where temperature and humidity conditions duplicate those ambient during installation and anticipated for occupancy.</p>
	1.04 Environmental Conditions	<p>A. Installation of acoustical panels shall not begin until building is enclosed, permanent heating and cooling equipment is in operation, and residual moisture from plaster, concrete, or terrazzo work has dissipated.</p> <p>B. Do not use ceiling panels in extreme or continuous high humidity, or areas exposed directly to weather or water. Ceiling panels are sized and designed for use within the standard occupancy range of temperature and humidity, 65-85 °F (18-29 °C), no more than 70% RH (relative humidity). Humidity can greatly affect product dimensional stability and sag resistance. Sag can become noticeable during periods of high humidity lasting only a few hours. CLIMAPLUS ceilings, if used with DOWN® brand suspension systems, can withstand temperatures up to 90-104 °F (32-40 °C) and relative humidity 95%-100% RH. See CGC Interiors Inc. for standard Warranty information.</p> <p>C. Allow time for dimensional changes in ceiling panels stored at temperature/humidity conditions well outside of those recommended for service. With increases in temperature/humidity, these products expand (up to 1/64 in./ft. (4.3 mm/m) at 85 °F (29 °C)/90% RH) and may not fit into a fixed grid. Conversely, with decreases, these products will be undersize, but expand to normal when standard ambient conditions return.</p> <p>D. For some pattern edge details, if perimeter panels must be cut smaller, the cut edge must be field-rabbetted, or the wall angle must be lowered by (1/4") (3/8") (Reveal Depth).</p>
	1.05	<p>A. Single Source Responsibility: To obtain Lifetime ceiling system warranty, 30-year ceiling system warranty,</p>

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Quality Assurance	<p>colour match or ceiling panel and suspension system compatibility, all acoustical panel and suspension system components shall be produced and supplied by one manufacturer. Materials supplied by more than one manufacturer are not acceptable.</p> <p>B. Subcontractor qualifications: Installer shall have successful experience in the installation of suspended ceiling systems on projects with requirements similar to requirements specified.</p> <p>C. Requirements of regulatory agencies: Codes and regulations of authorities having jurisdiction.</p> <p>D. Source quality control:</p> <ol style="list-style-type: none"> 1. Test reports: Manufacturer will provide test certification for minimum requirements as tested in accordance with applicable industry standards and/or to meet performance standards specified by various agencies. 2. Changes from system: System performance following any substitution of materials or change in assembly design must be certified by the manufacturer.
1.06 Reference	<ol style="list-style-type: none"> A. ASTM C635 and C636: Manufacturing of metal suspension systems and Installation of Suspended Ceilings. B. Underwriters Laboratories, Inc.: Fire Resistance Directory, Acoustical Materials (BYIT). C. ASTM E84: Surface Burning Characteristics Classification. D. ASTM E119: Fire Tests of Building Construction and Materials. E. ASTM C423: Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method. F. CISCA Ceiling Systems Installation Handbook. G. ASTM E1414: For CAC Testing
1.07 Submittals	<ol style="list-style-type: none"> A. Samples: Submit representative sample of colour and finish of all exposed materials. B. Shop drawings: <ol style="list-style-type: none"> 1. Reflected ceiling plans: Contractors shall submit a layout arrangement of ceiling design, dimensions and locations of related integrated lighting and air distribution components. 2. Installation drawings: Detail complete installation including suspension system, installation of related lighting and air distribution components, access requirements, sound absorption requirements, and fire rating requirements when applicable. 3. Manufacturer's data: Submit manufacturer's catalog cuts or standard drawings showing details of system with project conditions clearly identified and manufacturer's recommended installation instructions. 4. Maintenance materials: Submit ____ (one) percent of amount of ceiling components installed. C. Warranty: Manufacturer's standard warranty for extent of conditions allowable and duration of warranty. D. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, for each acoustical panel ceiling and suspension system. <ol style="list-style-type: none"> 1. UL Acoustical Compliance: For acoustical performance, each carton of material must carry Underwriters Laboratories certification for CAC and NRC. 2. UL Suspension System Load Compliance: Manufacturer must certify that the metal suspension system is UL Classified to be load compliant per ASTM C635. For load compliance, each carton of main tees must carry Underwriters Laboratories certification for load compliance.
1.08 Project Conditions	<ol style="list-style-type: none"> A. Existing conditions: (include specific alteration work requirements for project). B. Environmental requirements for interior installation: Building shall be enclosed with windows and exterior doors in place and glazed, and roof watertight before installation of ceiling system and related ceiling components. Climatic condition range of 60-85 °F (16-29 °C) with a max 70% RH. C. Coordination with other work:

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1. Mechanical work: Ductwork above ceiling shall be complete, and permanent heating and cooling systems operating to climate conditions prior to installation of ceiling components.
2. Electrical work: Installation of conduit above ceiling shall be complete before installation of ceiling components.
3. Fire protection work: Fire protection lines and/or equipment occurring above ceiling shall be completed and tested before ceiling components are installed.
- D. Protection: Protect completed work above ceiling system from damage during installation of ceiling components.

2: Products **2.01
Inspection**

- A. Ceiling panels as supplied by CGC Inc., Mississauga, ON.
- B. Fill in the following information for the product you want to specify:
- C. Fill in the following information for the product you want to specify:

Pattern Name	Item No.	Colour No.	Plastic Coating ²
			Yes/No

¹Plastic coating only available on certain panels. See product literature or sales representative.

3: Execution **3.01
Inspection**

- A. Examine areas to receive ceiling panels for conditions that will adversely affect installation. Provide written report of discrepancies.
- B. Do not start work until unsatisfactory conditions are corrected.
- C. Work to be concealed: Verify work above ceiling is complete and installed in manner that will not affect layout and installation of ceiling panels.
- D. Beginning of installation shall signify acceptance of conditions in areas to receive ceiling panels.
- E. Fire-rating requirements: Construction above fire-rated assembly shall meet requirements of UL Design specified in *2: Products*.

**3.02
Preparation**

- A. Field dimensions must be verified prior to installation.

**3.03
Installation**

- A. Standard reference: Install ceiling panels and suspension system, including necessary hangers, grillage, splines, and other supporting hardware, in accordance with ASTM C636, Cisca Installation Syds., (UL Design) and any applicable code requirement.
- B. Manufacturer's reference: Install ceiling panels in exposed grid systems, supported on all edges, in accordance with manufacturer's current printed recommendations.
- C. Drawing reference: Install ceiling panels in accordance with approved shop drawings.

**3.04
Maintenance**

- A. Cleaning: Panels can be cleaned easily with a soft brush, vacuum, or dry chemical sponge.
- B. Repainting: Spray a thinned, nonbridging vinyl-acrylic flat wall paint. The type of paint selected and the method of application can alter the acoustical performance and fire ratings of any acoustical product. Therefore, CGC Interiors, Inc. cannot guarantee that the field-painted panels will match the published performance.

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Section 09511 – Acoustical Panel Ceilings

1: General	1.01 Related Work	<p>A. Related work specified elsewhere:</p> <ol style="list-style-type: none"> 1. Gypsum Board Systems: Section _____. 2. Acoustical Ceilings: Section _____. 3. Integrated Assemblies: Section _____. 4. Air Handling: Section _____. 5. Lighting: Section _____. <p>B. Work installed but furnished under other sections: (Include applicable requirements.)</p> <p>C. Work furnished but installed under other sections: (Include applicable requirements.)</p>
	1.02 System Description	<p>A. Suspended ceiling system consisting of main tees and cross tees snapped together to form modules for the installation of lay-in acoustical panels, air diffusers, and light fixtures.</p> <p>B. Design and size components to withstand seismic loads in accordance with the International Building Code, Section 1621 for Category D,E, and F.</p>
	1.03 Quality Assurance	<p>A. ASCE 7 Standard - American Society of Civil Engineers, Minimum Design Loads for Buildings and Other Structures.</p> <p>B. ASTM C635, Standard Specifications For Metal Suspension Systems For Acoustical Tile And Lay-In Panel Ceilings.</p> <p>C. ASTM C636, Recommended Practice For Installation Of Metal Suspension System For Acoustical Tile And Lay-In Panels.</p> <p>D. ASTM E119, Standard Methods of Fire Tests of Building Construction and Materials.</p> <p>E. CISCA Ceiling Systems Installation Handbook.</p> <p>F. CISCA Seismic Zones 0 & 2 - Ceilings and Interior Systems Construction Association Guidelines for Seismic Restraint for Direct Hung Suspended Ceiling Assemblies</p> <p>G. CISCA Seismic Zones 3 & 4 - Ceilings and Interior Systems Construction Association Guidelines for Seismic Restraint for Direct Hung Suspended Ceiling Assemblies</p> <p>H. International Code Council-Evaluation Services - AC 156 Acceptance Criteria for Seismic Qualification Testing of Non-structural Components</p> <p>I. Underwriters Laboratories, Inc. (UL): Fire Resistance Directory—listing and classification.</p>
	1.04 References	<p>A. ASTM C635, Standard Specifications For Metal Suspension Systems For Acoustical Tile And Lay-In Panel Ceilings.</p> <p>B. ASTM C636, Recommended Practice For Installation Of Metal Suspension System For Acoustical Tile And Lay-In Panels.</p> <p>C. ASTM E119, Standard Methods of Fire Tests of Building Construction and Materials.</p> <p>D. CISCA Ceiling Systems Installation Handbook.</p> <p>E. Underwriters Laboratories, Inc. (UL): Fire Resistance Directory—listing and classification.</p>
	1.05 Submittals	<p>A. Samples: Submit data for suspension system main tees and cross tees for acceptance.</p> <p>B. Shop drawings:</p> <ol style="list-style-type: none"> 1. Reflected ceiling plans: Contractor shall submit ceiling suspension system layout to indicate ceiling modules and related lighting and mechanical systems. 2. Assembly drawings: Indicate module dimensions, accessory attachments, and installation of integrated systems components. <p>C. Manufacturer's Data: Submit manufacturer's catalog cuts or standard drawings showing details of system with project conditions clearly identified, and manufacturer's recommended installation instructions.</p> <ol style="list-style-type: none"> 1. System details: Submit manufacturer's descriptive literature or standard drawings showing details of system with project conditions clearly identified, and manufacturer's recommended installation instructions. 2. Colour chart: Submit manufacturer's standard colour chart for selection of colour. <p>D. Maintenance Materials: Provide _____ percent of amount of main tees and cross tees installed.</p>

Suspension Systems

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- E. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, for each acoustical panel ceiling and suspension system.
 1. UL Acoustical Compliance: For acoustical performance, each carton of material must carry Underwriters Laboratories certification for AC (if applicable), CAC and NRC.
 2. UL Suspension System Load Compliance: Manufacturer must certify that the metal suspension system is UL Classified to be load compliant per ASTM C635. For load compliance, each carton of main tees must carry Underwriters Laboratories certification for load compliance.

1.06 Delivery, Storage and Handling

- A. Delivery of materials: Deliver materials in original, unopened packages clearly labeled with manufacturer's name, item description, part number, type, and class, as applicable.
- B. Storage: Store in manner that will prevent warpage, scratches, or damage of any kind.
- C. Handling: Handle in such manner to ensure against racking, distortion, or physical damage of any kind.

1.07 Project Conditions

- A. Existing conditions: (Include specific alteration work requirements for the project.)
- B. Environmental requirements:
 1. Building conditions: Building shall be enclosed with all windows and exterior doors in place and glazed, and the roof watertight before installation of suspension system.
 2. Interior temperature/humidity in building: Climatic conditions in areas to receive ceiling suspension systems shall range from 60 °F to 104 °F and relative humidity of not more than 90% shall be maintained before installation of components.
- C. Coordination with other work:
 1. General: Coordinate with other work supported by or penetrating through the ceiling, including mechanical and electrical work and partition systems.
 2. Mechanical work: Ductwork above suspension system shall be complete, and permanent heating and cooling systems operating.
 3. Electrical work: Installation of conduit above suspension system shall be complete before installation of suspension system.
- D. Protection:
 1. Personnel: Follow good safety and industrial hygiene practices during handling and installing of all products and systems, with personnel to take necessary precautions and wear appropriate personal protective equipment as needed. Read material safety data sheets and related literature for important information on products before installation. Contractor to be solely responsible for all personal safety issues during and subsequent to installation; architect, specifier, owner, and manufacturer will rely on contractor's performance in such regard.
 2. Existing completed work: Protect completed work above suspension system from damage during installation of suspension system components.

1.08 Warranty

- A. The warranty period for a DOWN® Brand Suspension System is 10 years.
- B. A lifetime warranty is offered for DOWN Brand Suspension Systems when used with CGC tiles or panels. (A lifetime is defined as 30 years).

2: Products

2.01 Manufacturer

- A. Metal ceiling suspension system as manufactured by CGC Inc., Mississauga, ON
- B. Fill in the following information for the product you want to specify:

Suspension Name	Item No.	Colour

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3: Execution	3.01 Inspection	<p>A. Examine areas to receive materials for conditions that will adversely affect installation. Provide written report of discrepancies.</p> <p>B. Do not start work until unsatisfactory conditions are corrected.</p> <p>C. Work to be concealed: Verify work above ceiling suspension system is complete and installed in manner that will not affect layout and installation of suspension system components.</p> <p>D. Beginning of installation shall signify acceptance of conditions in areas to receive ceiling suspension system.</p>
	3.02 Installation	<p>A. Field dimensions: Installer must verify actual field dimensions prior to installation.</p>
	3.03 Preparation	<p>A. Standard reference: Install in accordance with ASTM C636, CISCA installation standards, UL fire-rating classification, and any other applicable national or local code requirements.</p> <p>B. Manufacturer's reference: Install in accordance with manufacturer's current publications.</p> <p>C. Hanger wires:</p> <ol style="list-style-type: none"> 1. Spacing: Space hanger wires on main tees a maximum of 48" or 60" (1200 or 1500 mm) o.c. attaching hangers directly to structure above. A hanger wire shall occur directly adjacent to the fire expansion notch on every main tee, and as required per design requirements. 2. Limitations: Do not support wires from mechanical and/or electrical equipment, piping, or other equipment occurring above ceiling. 3. Fixtures at ceiling: Provide additional hanger wires where lighting fixtures and/or air supply and return units occur in ceiling. <p>D. Allowable tolerances: Per ASTM C636.</p> <p>E. Hold-down clips: Install hold-down clips when FIRECODE™ formulation panels weigh less than 1.0 lb./sq. ft. (4.5 kg/m²)</p>
	3.04 Maintenance	<p>A. Cleaning: Remove panel material and perform any necessary cleaning maintenance with nonsolvent-based commercial cleaner.</p> <p>B. Immediately remove any corrosive substances or chemicals that would attack painted finishes (e.g., wallpaper adhesives).</p> <p>C. Touch up all minor scratches and spots, as acceptable, or replace damaged sections when touch-up is not permitted.</p> <p>D. Painting: Repainting of suspension members shall be with a high-quality solvent-based paint and applied as recommended by paint manufacturer.</p> <p>E. Removal of debris: Remove all debris resulting from work of this section.</p>

Sound Test Data¹

Acoustical Panel Product Name	Item No.	Size	CAC	CAC Mounting ³	Sound Absorption Test Data ²		Band Center Frequency Hz					
					NRC	Mounting	125	250	500	1000	2000	4000
ASPEN	650	2'x2'x3/4"	35	CE ⁶	.55	E400	.59	.31	.48	.69	.65	.61
ASPEN Illusion Two/24	652	2'x4'x3/4"	40	CE ⁶	.55	E400	.30	.32	.47	.68	.64	.56
ASTRO CLIMAPLUS	8241	2'x4'x5/8"	35	CE	.55	E400	.32	.35	.51	.63	.64	.61
	8223	2'x2'x5/8"	35	CE	.55	E400	.45	.35	.47	.67	.71	.71
BRIO CLIMAPLUS	308	2'x2'x3/4"	35	CE	.70	E400	.40	.30	.62	.98	.99	.97
CLEAN ROOM (perforated)	56060	2'x2'x5/8"	35	CE	.55	E400	.43	.38	.63	.76	.56	.35
ECLIPSE CLIMAPLUS	76775	2'x2'x3/4"	35	CE	.70	E400	.52	.51	.63	.92	.95	.87
"F" FISSURED	101	12"x12"x3/4"	25	CCF	.70	E400	.62	.60	.55	.78	.90	.88
	132	2'x2'x3/4"	35	CE ^{4,6}	.70	E400	.59	.30	.72	1.02	.98	.97
	131	2'x2'x3/4"	35	CE ^{5,6}	.70	E400	.45	.31	.71	1.04	.98	.99
FISSURED	562	2'x4'x5/8"	35	CE	.55	E400	.41	.38	.55	.84	.76	.73
	586	2'x4'x5/8"	35	CE	.55	E400	.39	.26	.42	.70	.82	.75
FRESCO CLIMAPLUS	608	2'x2'x3/4"	35	CE	.70	E400	.38	.32	.66	.99	.97	.93
FROST CLIMAPLUS	414	2'x2'x3/4"	38	CE ^{4,6}	.70	E400	.44	.28	.68	1.01	1.02	1.01
GLACIER	701	12"x12"x3/4"	25	CCF	.65	E400	.80	.71	.59	.79	.93	.97
	707	2'x2'x3/4"	35	CE ^{4,6}	.65	E400	.45	.28	.47	.88	1.06	1.02
	715	2'x2'x3/4"	35	CE ⁴	.65	E400	.43	.26	.60	.92	.94	1.04
HALCYON CLIMAPLUS	97241	2'x4'x3/4"	20	CE	.90	E400	.72	.88	.68	.96	1.01	1.05
	98241	2'x4'x1"	25	CE	.95	E400	.80	.95	.78	1.04	1.07	1.09
	99241	2'x4'x1-1/2"	25	CE	1.00	E400	.78	.88	.90	1.10	1.06	.97
	88223	2'x4'x1"	30	CE	.90	E400	.60	.57	.91	1.06	1.15	1.01
	88224	2'x4'x1-1/2"	30	CE	.95	E400	.57	.78	.91	1.16	1.07	.94
HALCYON CLIMAPLUS Large Sizes	98441	4'x4'x1"	20	CE	.95	E400	.81	.89	.75	1.05	1.09	1.10
MARS CLIMAPLUS	86185	2'x2'x3/4"	35	CE	.70	E400	.36	.36	.63	.90	1.00	.91
MARS CLIMAPLUS High-NRC Panels	87200	2'x2'x7/8"	35	CE	.80	E400	.60	.54	.71	.97	1.00	1.01
MILLENNIA CLIMAPLUS	76705	2'x2'x3/4"	35	CE	.70	E400	.55	.37	.64	.89	.98	.96
MILLENNIA CLIMAPLUS High-NRC	76201	2'x2'x3/4"	30	CE	.75	E400	.72	.66	.67	.90	.97	.96
PREMIER NUBBY CLIMAPLUS	7013G	2'x4'x1"	25	CE	.90	E400	.54	.59	.85	1.09	1.09	.97
RADAR	2120	2'x2'x5/8"	33	CE ^{4,6}	.55	E400	.45	.32	.48	.73	.69	.63
	2310	2'x4'x5/8"	35	CE	.55	E400	.31	.39	.48	.68	.67	.55
	2315	2'x4'x5/8"	35	CE	.55	E400	.38	.28	.48	.75	.76	.70
	2990	12"x12"x5/8"	40	CCF	.55	E400	.50	.34	.52	.67	.63	.70
RADAR CLIMAPLUS High-Durability	2207	2'x2'x5/8"	35	CE	.55	E400	.46	.30	.49	.80	.76	.73
RADAR CLIMAPLUS High-NRC/ High-CAC	22111	2'x2'x3/4"	35	CE ⁴	.70	E400	.71	.52	.65	.98	.91	.79
	22311	2'x4'x3/4"	35	CE	.70	E400	.45	.48	.62	.94	.86	.65

Acoustical Panel Product Name	Item No.	Size	CAC	CAC Mounting ³	Sound Absorption Test Data ²		Band Center Frequency Hz					
					NRC	Mounting	125	250	500	1000	2000	4000
RADAR Illusion Two/24	2742	2'x4'x3/4"	35	CE	.55	E400	.43	.34	.49	.70	.67	.73
ROCK FACE <i>CLIMAPLUS</i>	56380	2'x4'x5/8"	35	CE	.55	E400	.33	.23	.50	.75	.65	.55
SANDRIFT <i>CLIMAPLUS</i>	808	2'x2'x3/4"	38	CE	.70	E400	.46	.30	.67	1.01	.96	.94
SHEETROCK Lay-In Ceiling Panel <i>CLIMAPLUS</i>	3270	2'x4'x1/2"	40	CE	—	—	—	—	—	—	—	—
SUMMIT <i>CLIMAPLUS</i>	990	2'x2'x3/4"	38	CE	.70	E400	.40	.43	.76	.91	.71	.56

Notes:

All sound testing is conducted at the USG Research CSL Acoustical Test Facility, which is certified under the NVLAP Voluntary Accreditation Program and under the UL Client Data Test Program.

1. Data on physical properties for sound control products were obtained by testing at recognized laboratories. Sound-test surfaces were painted. Procedures were according to:

— ASTM C1477 for light reflectance (LR)
 — ASTM C423 for sound absorption (NRC)
 — ASTM E1414 for sound attenuation (CAC)

2. Sound absorption test specimen mountings:

B—adhesive application to gypsum board;
 D20—stapled to wood furring strips;
 E400 or E405—metal suspension system. Mountings are designations from ASTM Standard E795.

3. Sound attenuation test specimen mountings, coded: (1st letter)

Ad—Adhesive attachment,
 C—Continuous at partitions,
 I—Interrupted at partitions; (2nd letter)

C—Concealed suspension system,
 E—Exposed suspension system; (3rd or 4th letter)

F—Flat splines,

T—Tee splines,

X—accessible feature;

a—one layer 1-1/2" Thermafiber® sound attenuation fire blankets, laid on ceiling continuous;

d—two layers 1-1/2" Thermafiber sound attenuation fire blankets, laid on ceiling in an 8-ft width centered over the partition;

t—inverted-T plenum barrier of 3" Thermafiber sound attenuation fire blankets, centered above partition continuous.

4. Shadowline (rabbeted) edge configuration.

5. For current acoustical data, verify with your CGC Sales Representative.

6. Minimal requirement under the U.L. acoustical compliance program.

Fire-Rated Ceiling Assemblies

The UL assemblies listed below are Certified for use in Canada by UL and comply with CAN/ULC S101 for fire resistance. The Standards Council of Canada recognizes UL as an accredited testing and certification organization for certification of materials and systems to Canadian standards. The cUL Mark appears on all our Classified ceiling tile, panel and suspension system components. Tiles and panels are also certified by UL to CAN/ULC S102 for Surface Burning Characteristics.

Suspension Ceiling Designs

	UL Design No.	Assembly Rating (Maximum)	Approved Ceiling Tiles/Panels	Tile/Panel Sizes	Suspension System	Maximum Fix. Size % Ceiling Area	Duct Area per 100 Sq. Ft. of Ceiling Area	Assembly Construction Details
Floor/Ceiling Designs— Concrete with Cellular Steel Floor Units and Beam Support Concealed Grid System and Tile	A003	3 hr. R; 3 hr. UR; 3 hr. URB	3/4 FR-83	12 x 12 12 x 24	Z-runners	Fluorescent type, 2 x 4—8%	None	2-1/2" concrete; Cellular deck; W10 x 25 beam
	D209	2 hr. R; 1-1/2 hr. UR; 1-1/2 hr. UR; 1-1/2 hr. URB	FR-83; FR-4; M; FR-X1; FC-CB	2 x 2; 2 x 4	DXL, DXLA	Fluorescent type, 2 x 4—8%	None	2-1/2" concrete; Cellular or fluted deck W10x 21 beam
	D218	3 hr. R; 3 hr. UR; 3 hr. URB; 2 hr. R 2 hr. UR; 2 hr. URB	FR-83; Metal Pans; M	2 x 4	DXLP, DXL, DXLZ, SDXL	Fluorescent type, 2 x 4—20% 5 x 48—10% 9 x 48—14%; Incandescent type, 6-1/2" diam.	1 air boot per 100 sq. ft.	3-1/4" concrete (3 hr.), 2-1/2" concrete (2 hr.); Cellular or fluted deck; W8 x 15 beam
Floor/Ceiling Designs— Concrete and Steel Joists Exposed Grid System and Lay-in Panels	G201	1 hr. R; 1 hr. UR	FR-X1; FR-83; M	2 x 2; 2 x 4	DXL, DXLA, DXLZ, SDXL, DXLZA, SDXLA, ZXLA	Fluorescent type, 2 x 4—8%; Incandescent type, 6-1/2" diam.	None	2" concrete; Metal lath or deck; 10" bar joists 24 to 30" o.c. or Hambro System
	G202	2 hr. R; 2 hr. UR	FR-4; FR-83; FR-X1; Astro-FR; M	2 x 2; 2 x 4; 20 x 60; 24 x 60	DXL, DXLZ, SDXL	Fluorescent type, 20 x 48; 20 x 48/60—24%; 2 x 2 HID—12%; Incandescent type, 6-1/2" diam.	576 sq. in.	2-1/2" concrete; Metal lath 10" bar joists 24" or 30" o.c.
	G203	2 hr. R; 2 hr. UR; 2 hr. URB	FR-83; Astro-FR; M	2 x 2; 2 x 4; 20 x 60	DXL, DXLT	Fluorescent type, 2 x 4 or 20 x 60—16% Incandescent type, 6-1/2" diam.—1.4%	254 sq. in. (576 sq. in.)	2-1/2" concrete; Metal lath or deck; 10" bar joists 24" o.c. or Hambro system, W6 x 12 or W8 x 10 beam
	G204	2 hr. R; 2 hr. UR; 2 hr. URB	FR-83; FR-4; M; FR-X1; Astro-FR; [GR-1]	24 x 24 to 30 x 60	DXL, DXLA, DXLZ, SDXL, DXLZA, SDXLA	Fluorescent type, 24 x 24; 24 x 48; 24 x 60; 24%; 2 x 2 HID; Incandescent type, 6-1/2" diam.	113 sq. in. (576 sq. in.)	2-1/2" concrete; Metal lath or deck; 10" bar joists 30" o.c.; W6 x 12 beam
	G205	3 hr. R, 3 hr. UR, 3 hr. URB	FR-83; FR-X1; FC-CB; FR-4 Astro-FR	2 x 2; 2 x 4	DXLT, DXL, DXLZ, SDXL, DXLA, SDXLA, DXLZA, DXLTZ, DXLTA, DXLTZA	Fluorescent type, 2 x 4—24% Incandescent type, 6-1/2" diam.	576 sq. in.	3-1/2" concrete (3 hr.) 2-1/2" concrete (2 hr.) 8" bar joists, 72" o.c. (2 hr. rating) 10" bar joists 48" o.c. (3 hr. rating)

Suspension Ceiling Designs

	UL Design No.	Assembly Rating (Maximum)	Approved Ceiling Tiles/Panels	Tile/ Panel Sizes	Suspension System	Maximum Fix. Size % Ceiling Area	Duct Area per 100 Sq. Ft. of Ceiling Area	Assembly Construction Details
Floor/Ceiling Designs— Concrete and Steel Joists Exposed Grid System and Lay-in Panels (continued)	G211	3 hr. R; 3 hr. UR	FR-83; FR-4; FR-X1; FC-CB; Astro-FR; M	2 x 2; 2 x 4	DXL, DXLA, DXLZ, ZXL, SDXL, SDXLA	Fluorescent type, 2 x 4—16%	113 sq. in.	3" concrete; Metal lath; 10" bar joists 24" o.c.
	G213	3 hr. R; 3 hr. UR; 3 hr. URB; 2 hr. R; 2 hr. UR; 2 hr. URB 1-1/2 hr. R; 1-1/2 hr. UR; 1-1/2 URB; 1 hr. R; 1 hr. UR; 1 hr. URB	FR-4; FR-83; M FR-X1; FC-CB (1 or 1-1/2 hr.) Astro-FR	2 x 4; 2 x 2	DXL, DXLZ, SDXL	Fluorescent type, 2 x 4—24%; Incandescent type, 6-1/2" diam.	154 sq. in.	3-1/2" concrete; metal lath or deck 10" bar joists 24" o.c.; W6 x 12 beam
	G215	2 hr. R; 2 hr. UR; 2 hr. URB 2 hr. URB	FR-83; FR-4; FR-X1: Astro-FR; M	2 x 2; 2 x 4; 20 x 60	DXL, DXLZ, SDXL	Fluorescent type, 20 x 48/60—24%; 2 x 2 HID—2%; Incandescent type, 6-1/2" diam.	154 sq. in.	2-1/2" concrete; Metal lath; 10" bar joists 24" o.c. or Hambro system; W10 x 21 beam
	G222	2 hr. R; 2 hr. UR; 2 hr. URB	FC-CB	2 x 2	DXL, DXLA, DXLH, DXLZ, SDLX, SDXLA	Fluorescent type, 2 x 4—12%; Incandescent type, 6-1/2" diam.	57 sq. in.	2-1/2" concrete; Metal lath; 10" bar joists 24" o.c.; W8 x 24 beam 6-1/2" diam.
	G227	2 hr. R; 2 hr. UR; 3 hr. URB	FR-83; Astro-FR; M	2 x 2; 2 x 4	DXL, DXLZ, SDXL	Fluorescent type, 2 x 4—16%	57 sq. in.	2-1/2" concrete; Metal lath or deck; 10" bar joists 24" o.c. or Hambro System; W8 x 31 beam
	G228	2 hr. R; 2 hr. UR; 2 hr. URB	AP; AP-3	2 x 2	DXL, DXLZ, SDXL	Fluorescent type, 2 x 2—12%; Incandescent type, 6-1/2" diam.	57 sq. in.	2-1/2" concrete; Metal lath or deck; 10" bar joists 24" o.c.; W8 x 31 beam
	G230	2 hr. R; 2 hr. UR 2 hr. URB	FR-83; FR-X1; Astro-FR; M	2 x 2; 2 x 4	DXL, DXLA, DXLZ, DXLZA, SDXL, SDXLA, ZXL	Fluorescent type, 2 x 4—16%	113 sq. in.	2" building units; Floor topping mixture; 10" bar joists 48" o.c.; W8 x 31 beam
	G231	2 hr. R; 2 hr. UR; 3 hr. URB	3/4" FR-83	24 x 24 to 30 x 60	DXL, DXLA, DXLZ, SDXL, DXLZA, SDXLA, ZXL	Fluorescent type, 2 x 4—16%	57 sq. in.	2-1/2" concrete; Metal lath or deck; 8" bar joists 24" o.c.; W8 x 31 beam
	G259	1-1/2 hr. R; 1-1/2 hr. UR; 1-1/2 hr. URB	FC-CB	2 x 4	DXL, DXLA, DXLH, DXLZ, SDLX, ZXL	Fluorescent type, 2 x 4—16%; Incandescent type, 6-1/2" diam.	57 sq. in.	2-1/2" concrete; Metal lath; 10" bar joists 24" o.c.; W8 x 31 beam
	G262	1-1/2 hr. R; 1-1/2 hr. U	AP-1; FR-83 FR-X1; AP-2; [GR-1]	2 x 2 ILT edge	DXLT, DXLTZ, DXLTA, DXLTZA	Fluorescent type, 2 x 4—24%	113 sq. in.	2-1/2" concrete; Steel deck; 8" bar joists 24" o.c.
	G264	1-1/2 hr. R; 1-1/2 hr. U	AP-1; FR-83 FR-X1; AP-2; Astro-FR	2 x 2 FL edge	DXLF	Fluorescent type, 2 x 2—24%; Incandescent type, 6-1/2" diam.	113 sq. in.	2-1/2" concrete; Steel deck; 8" bar joists 24" o.c.
	G265	2 hr. R; 2 hr. U; 2 hr. URB	3/4" FR-83; FR-X1	2 x 2; SQ, ILT edge	DXLT, DXLTA, DXLTZ, DXLTZA	Fluorescent type, 2 x 2—24%; Incandescent type, 6-1/2" diam.	113 sq. in.	2-1/2" concrete; Metal lath; 10" bar joists 24" o.c.; W8 x 35 beam

Fire-Rated Ceiling Assemblies

Suspension Ceiling Designs

	UL Design No.	Assembly Rating (Maximum)	Approved Ceiling Tiles/Panels	Tile/Panel Sizes	Suspension System	Maximum Fix. Size % Ceiling Area	Duct Area per 100 Sq. Ft. of Ceiling Area	Assembly Construction Details
Floor/Ceiling Designs—Concrete and Steel Joists Concealed Grid System and Tile	G002	2 hr. R; 2 hr. UR	FR-83	12 x 12; 12 x 24	Z-runners	Fluorescent type, 2 x 4—24%	576 sq. in.	2-1/2" concrete; Metal lath; 10" bar joists 24" o.c.
	G007	2 hr. R; 2 hr. UR; 2 hr. URB	FR-83	12 x 12; 12 x 24; 24 x 24	Not a USG product	Fluorescent type, 1 x 4—16% or 2 x 4—24%	196 sq. in.	2-1/2" concrete; Metal lath; 10" bar joists 24" o.c.; W10 x 21 beam
	G008	2 hr. R; 2 hr. UR; 2 hr. URB	FR-83	12 x 12 to 24 x 24	DXL, DXLZ, SDXL (DE, DT, DEN, PAT, BPA/PAT, E, BPC)	Fluorescent type, 1 x 4—12% 2 x 4—16%	288 sq. in.	2-1/2" concrete; Metal lath or deck; 10" bar joists 24" o.c.; W8 x 31 beam
	G040	2 hr. R; 2 hr. UR	FR-83	12 x 12; 12 x 24	DXL, DXLA, ZXLA, (DE, DT), DXLZ, SDXL	Fluorescent type, 2 x 4—16%	113 sq. in.	2-1/2" concrete; Metal lath; 10" bar joists 24" o.c.; W10 x 19 beam
	G267	1-1/2 hr. R; 1-1/2 hr. UR	FR-83; AP AP-3, FR-X1; M	2 x 2	DXL, DXLZ, SDXL	Fluorescent type, 2 x 4—24% Incandescent type, 6-1/2" diam.	113 sq. in.	2-1/2" concrete; Steel deck; 8" bar joists 24" o.c.;
	G268	3 hr. R; 3 hr. UR 3 hr. URB	3/4" AP-3	2 x 2	DXL, DXLZ, SDXL	Fluorescent type, 2 x 4—12% Incandescent type, 6-1/2" diam.	57 sq. in.	2-5/8" concrete; Metal lath; 10" bar joists 28" o.c.; W8 x 31 beam
Floor/Ceiling Designs—Precast and Field-Poured Concrete Exposed Grid System and Lay-In Panels	J201	2 hr. R; 2 hr. UR	FR-83; FR-4; M; FR-X1; AP; AP-1; AP-3	2 x 2; 2 x 4; 20 x 60	DXL, DXLT, DXLZ, SDXL, DXLA, SDXL, ZXLA, DXLTA, DXLTZA	Fluorescent type, 2 x 4—24%; Incandescent type, 6-1/2" diam.	576 sq. in.	2-1/2" concrete floor with 6" concrete stems
	J202	2 hr. R; 2 hr. UR	FR-83; FR-X1; AP; AP-1; AP-2; AP-3	2 x 2; 2 x 4	DXL, DXLT, DXLZ, SDXL, DXLTZ, DXL, DXLZ, SDXL	Fluorescent type, 2 x 4—14%; Incandescent type, 6-1/2" diam.	57 sq. in.	Precast concrete; 2" deck; Stems 4' o.c.
Floor/Ceiling Designs—Wood or Combination Wood and Steel Joists Assemblies Exposed Grid System and Lay-In Panels	L202	1 hr. UR; Finish Rating: 15 min.	FR-83; FR-4; M; FR-X1; Astro-FR	2 x 2; 2 x 4; 20 x 60; 24 x 60	DXL, DXLZ, SDXL Acoustical tent DXLT, DXLTA, DXLTZ	Fluorescent type, 20 x 48/60 or 2 x 4—16%; Incandescent type, 6-1/2" diam.—1%	110 sq. in.	Wood floor; 2 x 10 wood joists 16" o.c.
	L206	1 hr. UR; Finish Rating: 17 min.	FR-83; FR-X1; M; FC-CB	2 x 2 x 3/4; 2 x 4	DXL, DXLA, DXLT, DXLTA, DXLTZ, DXLZ, DXLZA, SDXL, SDXLA	Fluorescent type, 2 x 4—8%; Incandescent type, 6-1/2" diam.—0.5%	110 sq. in.	Wood floor; 2 x 10 wood joists 16" o.c.
	L211 (P237)	2 hr. UR; Finish Rating: 75 min.	FR-4; FR-83; FR-X1; M	2 x 4	DW (for drywall), DXL, DXLA, SDXL, DXLZ, SDXLA, ZXLA (for panels)	Fluorescent type, 1 x 4—16%; 2 x 2—20%; 2 x 4—24%; Incandescent type, 6-1/2" diam.	576 sq. in.	Wood floor; 2 x 10 wood joists 16" o.c.; 1/2" FIRECODE C Gypsum Panel Ceiling w/6" fiberglass insulation
	L212 (P238)	1 hr. UR; Finish Rating: 17 min.	FR-4	2 x 2; 2 x 4	DXL, DXLZ, SDXL	Fluorescent type, 1 x 4—12%; 2 x 2—16%; 2 x 4—24%; Incandescent type, 6-1/2" diam.	576 sq. in., Linear air returns	Wood floor; 2 x 10 wood joists 16" o.c.; Panels back Panels backloaded w/6" fiberglass

Suspension Ceiling Designs

	UL Design No.	Assembly Rating (Maximum)	Approved Ceiling Tiles/Panels	Tile/ Panel Sizes	Suspension System	Maximum Fix. Size % Ceiling Area	Duct Area per 100 Sq. Ft. of Ceiling Area	Assembly Construction Details
Floor/Ceiling Designs— Wood or Combination Wood and Steel Joists Assemblies Concealed Grid System and Tile	L006	1 hr. UR; Finish Rating: 12 min.	FR-83	12 x 12; 12 x 24	Not a USG product	Fluorescent type, 12 x 48; 20 x 48; 20 x 60—14%	81 sq. in., Linear air returns	Wood floor; 2 x 10 wood joists 16" o.c
Roof/Ceiling Designs Exposed Grid System and Lay-in Panels	P201	1 hr. R; 1 hr. UR; 1 hr. URB	FR-83; FR-X1; M	2 x 4	DXL, DXLA, ZOLA, DXLZ, SDXL, DXLZA, SDXLA	None	None	Steel deck; 3/4" insulation; 10" bar joists 84" o.c.; W8 x 17 beam
	P202	1 hr. R; 3/4 hr. UR; 1 hr. URB	FR-83; FR-X1; M	2 x 4	DXL, DXLZ, SDXL	Fluorescent type, 2 x 4—16%	57 sq. in.	Steel deck; 1" insulation; 8" bar joists 48" o.c.
	P203	3/4 hr. R; 3/4 hr. UR; 3/4 hr. URB	FR-83; M; FR-X1	2 x 4	DXL, DXLZ, SDXL	Fluorescent type, 2 x 4—24%	113 sq. in.	Steel deck 1" to 2" insulation 8" bar joists 60" o.c.
	P213	2 hr. R; 2 hr. U	3/4" FR-83; FR-X1	2 x 4	DXL, DXLZ, SDXL	Fluorescent type, 2 x 4—16%; Incandescent type, 6-1/2" diam.—1.0%	110 sq. in.,	2" planks; Insulation; 14" bar joists 84" o.c.
	P214	1 hr. R; 1 hr. UR; 1 hr. URB	3/4" FR-83	2 x 2; 2 x 4	DXL, DXLZ, SDXL	Fluorescent type, 2 x 4—16%; Incandescent type, 6-1/2" diam.—1%	57 sq. in.	Steel deck 3/4" to 15/16" insulation; 10" bar joists 72" o.c.
	P230	1-1/2 hr. R; 1-1/2 hr. UR; 1-1/2 hr. URB	FR-4; FR-83; FR-X1; M; AP (1 hr. only); AP-3; Astro-FR; Metal Pans	2 x 2; 2 x 4; 20 x 60	DXL, DXLA, DXLP, DXLT, DXLTA, DXLTZ, DXLZ, DXLZA, SDXL, SDXLA, ZOLA	Fluorescent type, 2 x 4—24%; Incandescent type, 6-1/2" diam.; 2 X 2 HID	255 sq. in. (576 sq. in. for 1 hr.)	Unlimited insulation; Gypsum panels or DuROCK® on steel deck; 10" bar joists 72" o.c.; 6 x 12 beam
	P235	1 hr. R; 1 hr. UR 1 hr. URB	FR-83; FR-X1; M	2 x 4; 2 x 4	DXL, DXLZ, SDXL	Fluorescent type, 2 x 4—16%	144 sq. in.	Foamed plastic insulation; Gypsum panels; Steel deck, 10" bar joists 72" o.c.; W8 x 15 beam
	P237	2 hr. R; 2 hr. UR; 2 hr. URB	FR-4; FR-83; FR-X1; M	2 x 4	DGL (for drywall) DXL, DXLA, DXLZ, DXLZA, SDXL, SDXLA (for panels), ZOLA,	Fluorescent type, 1 x 4—16%; 2 x 2—20%; 2 x 4—24%; Incandescent type, 6-1/2" diam.	144 sq. in. Linear air returns	Unlimited insulation; Steel deck; 8" bar joists 72" o.c.; 1/2" FIRECODE C Gypsum Panel Ceiling w/6" fiberglass insulation
	P238	1 hr. R; 1 hr. UR; 1 hr. URB	FR-4	2 x 2; 2 x 4	DXL, DXLZ, SDXL	Fluorescent type, 1 x 4—12%; 2 x 2—16%; 2 x 4—24%; Incandescent type, 6-1/2" diam.	576 sq. in.	1" to 2" insulation; Steel deck; 8" bar joists 48" o.c.;
	P241	2 hr. R; 2 hr. UR	FR-4; FR-83; FR-X1; M	2 x 4	DW (for drywall), ZOLA, DXL, DXLZ, SDXL, DXLZA, SDXL (for panels)	Fluorescent type, 1 x 4—16%; 2 x 2—20%; 2 x 4—24%; Incandescent type, 6-1/2" diam.	576 sq. in.	Insulating concrete; Steel deck; 10" bar joists 72" o.c.; 1/2" FIRECODE C Gypsum Panel Ceiling w/6" fiberglass insulation

Fire-Rated Ceiling Assemblies

Suspension Ceiling Designs

	UL Design No.	Assembly Rating (Maximum)	Approved Ceiling Tiles/Panels	Tile/Panel Sizes	Suspension System	Maximum Fix. Size % Ceiling Area	Duct Area per 100 Sq. Ft. of Ceiling Area	Assembly Construction Details
Roof/Ceiling Designs Exposed Grid System and Lay-in Panels (continued)	P245 (P238)	1 hr. R; 1 hr. UR	FR-4	2 x 2; 2 x 4	DXL, DXLZ, SDXL	Fluorescent type, 1 x 4—12%; 2 x 2—16%; 2 x 4—24%; Incandescent type, 6-1/2" diam.	576 sq. in.	3/4" insulation over 2" Bldg. Units; 14" bar joists 84" o.c.; Ceiling panels back-loaded w/ 6" fiberglass
	P246	1 hr. R; 1 hr. UR; 1 hr. URB	FR-83; FR-X1; M	2 x 2; 2 x 4; 20 x 60	DXL, DXLZ, SDXL	Fluorescent type, 2 x 2—20%; 2 x 4—24%; 2 x 4 HID; Incandescent type, 6-1/2" diam.	576 sq. in.	Insulating concrete over foamed plastic; Steel deck; 8" bar joists 72" o.c.; W8 x 15 beam
	P254	1 hr. R; 3/4 hr. UR; 3/4 hr. URB	3/4" FR-83	2 x 2 FL edge	DXLF	Fluorescent type, 2 x 2 or 2 x 4—24%; Incandescent type, 6-1/2" diam.	113 sq. in.	Unlimited insulation; Gypsum wallboard; Steel roof deck, 10" bar joists 48" to 72" o.c.
	P255	1 hr. R; 1 hr. UR; 1 hr. URB	FR-83 FR-X1; M	2 x 2; 2 x 4	DXL, DXLA, DXLZ, SDXL, DXLZA, SDXLA	Fluorescent type, 2 x 4—24%; Incandescent type, 6-1/2" diam.	57 sq. in.	Insulating concrete over foamed plastic; Steel deck; 8" bar joists 72" o.c.; W8 x 15 beam
	P257	1 hr. UR	FR-83 FR-X1; M	2 x 2; 2 x 4	DXL, DXLA, DXLZ, SDXL, DXZA, SDXLA	Fluorescent type, 2 x 4—25%	255 sq. in.	4-7/8" insulation; Gypsum wallboard over steel deck; 7-1/4" steel "C" joists 24" o.c.
	P267	1 hr. R; 1 hr. UR 1 hr. URB	FR-83; FR-X1; M; Metal pans	2 x 2; 2 x 4	DXL, DXLA, DXLP, ZXLA, DXLZ, SDXL, DXLZA, SDXLA	Fluorescent type, 2 x 4—16%	576 sq. in.	1" to 2" insulation; Steel deck; 8" bar joists 48" o.c.
	P268	1-1/2 hr. R; 1-1/2 hr. UR; 1-1/2 hr. URB	3/4" FR-83; 5/8" FR-4	2 x 2	DXL, DXLA, ZXLA, DXLZ, SDXL, DXLZA, SDXLA	Fluorescent type, 2 x 4—24%	576 sq. in.	Metal roof deck panels; glass fiber insulation; steel roof purlins 60" o.c.; ceiling panels backloaded w/6" fiberglass
	P269	1-1/2 hr. R; 1-1/2 hr. UR; 1-1/2 hr. URB	FR-83; FR-X1; FR-4	2 x 2; 2 x 4	DXL, DXLZ, SDXL	Fluorescent type, 2 x 4—24%; Incandescent type, 6-1/2" diam.—1.4%	255 sq. in.	Insulating concrete; Steel deck; 10" bar joists 48" o.c.; W8 x 15 beam

Flat Drywall Ceilings

Floor/Ceiling	UL Design No.	Assembly Rating*	Board Thick.	Wallboard Core Type	Fixture Size (% of Fixtures)	Max. Duct Area per 100 sf	Assembly Construction Details
Concrete/Steel Deck Floors Over Steel Beams	D501	2 hr-R 1-1/2 hr-UR 2 hr-UBR	5/8"	SHEETROCK FIRECODE C	N/A	N/A	Min. 2" ltwt. concrete on Min. W8x17 beams
	D502	2 hr-R & UR 2 hr-UBR	5/8"	SHEETROCK FIRECODE C 1P-X2, 1PC-AR, & WRC	2x4 (24%)	144 sq. in.	Min. 2-1/2" normal wt. concrete topping on Min. W8x28 beams
	D503	2 hr-R & UR 2 hr-UBR	5/8"	SHEETROCK FIRECODE C	6" dia. incandescent 4 per 100 sq. ft	N/A	Min. 2-1/2" normal wt. concrete on 2" steel deck on min. W12x19 beams .
Concrete/Expanded Lath Floors Over Steel Joists and Beams	G523	2 hr-R & UR 3 hr-UBR	5/8"	SHEETROCK FIRECODE C 1P-X2	2x4 (24%)	144 sq. in.	Min. 2-1/2" normal wt. concrete topping on Min. 8J2 joists and W10x21 beams
	G524	2 hr-R & UR 2 hr-UBR	1/2"	SHEETROCK FIRECODE C 1P-X2, 1PC-AR, & WRC	N/A	113 sq. in.	Min. 2-3/4" or 2-1/2" lt wt. or normal wt. concrete topping on min. 8" or 10" Hambro joists, respectively, and min. W8x24 beams
	G525	2 hr-R & UR 2 hr-UBR	5/8"	SHEETROCK FIRECODE C	N/A	113 sq. in.	Min. 3-1/2" or 3-1/4" normal wt. concrete topping on Min. 8" or 10" Hambro joists, respectively, and W8x24 beams
	G526	2 hr-R & UR 2 hr-UBR	1/2"	SHEETROCK FIRECODE C	2x4 (25%)	57 sq.in	Min. 2-1/2" normal wt. concrete topping on Min. 8J2 joists and W10x21 beams
	G527	2 hr-R & UR 3 hr-UBR	1/2"	SHEETROCK FIRECODE C 1P-X2 & 1PC-AR	N/A	N/A	Min. 2-1/2" normal wt. concrete topping on Min. 8J2 joists and W10x21 beams
	G528	1-1/2 hr-R & UR	1/2"	SHEETROCK FIRECODE C	N/A	N/A	Min. 2-1/2" normal wt. concrete topping on Min. 10J2 joists
	G529	2 hr-R & UR 2 or 3 hr-UBR	1/2"	SHEETROCK FIRECODE C	2x4 (24%)	57 sq in	Min. 2-1/2" normal wt. or ltwt. concrete topping on Min. 10J2 joists and W8x24 beams
		3 hr & UR 3 hr-UBR	1/2"	SHEETROCK FIRECODE C	2x4 (24%)	57 sq in	Min. 3-1/4" normal wt. concrete topping on Min. 10J2 joists and W8x24 beams
		3 hr-R & UR 3 hr-UBR	5/8"	SHEETROCK FIRECODE C	2x4 (24%)	57 sq in	Min. 2-3/4" normal wt. concrete topping on Min. 10J2 joists and W8x24 beams
	G531	2 hr-R&UR 2 hr-UBR	1/2"	SHEETROCK FIRECODE C	1x1 (1%)	144 sq. in.	Min. 3-1/4" normal wt. concrete Min. 6" D500 steel joist
		1 hr-R&UR	5/8"	SHEETROCK FIRECODE	1x1	144 sq. in. (1%)	Min. 2-1/2" normal wt. concrete Min. 6" D500 or D510 steel joist
	G541	1 hr-R&UR	5/8"	SHEETROCK FIRECODE C	2x4	113 sq. in. (24%)	Min. 3-1/2" normal wt. concrete Min. 7-3/16"-deep, 18-ga. steel C-joists
	G546	1 hr-R&UR 1 hr-UBR	5/8"	SHEETROCK FIRECODE C	N/A	N/A	Min. 2" normal ltwt. concrete light-gauge steel truss
	G547	2 hr-R&UR	1/2"	SHEETROCK FIRECODE C	2x4 (24%)	114 sq. in.	Min. 2-1/2" normal wt. concrete Min. 8J2 or 10K1 steel joists
		3 hr-R&UR 3 hr-UBR	5/8"	SHEETROCK FIRECODE C	2x4 (24%)	114 sq. in.	Min. 3" normal wt. concrete Min. 8J2 or 10K1 steel joists
G551	1 hr-UR	5/8" one or two layers	SHEETROCK FIRECODE C	N/A	N/A	1" Levelrock, steel deck, 9-1/4"-deep steel C-joists @ 24" o.c., 3-1/2" insulation, RC-ls @ 24" o.c.	

Fire-Rated Ceiling Assemblies

Flat Drywall Ceilings

Floor/Ceiling	UL Design No.	Assembly Rating*	Board Thick.	Wallboard Core Type	Fixture Size (% of Fixtures)	Max. Duct Area per 100 sf	Assembly Construction Details
Precast Concrete Floors	J502	2 hr-U & UR	5/8"	SHEETROCK FIRECODE C	NA	NA	Min. 2" normal wt. concrete slab
		3 hr-R & UR	5/8"	SHEETROCK FIRECODE C	NA	NA	Min. 2-3/4" normal wt. concrete slab
Wood Joists	L211	2 hr-UR 75 min finish rating	1/2"	SHEETROCK FIRECODE C	1x4 (12%) 2x2 (16%) 2x4 (24%) 20"x48" (20%)	576 sq. in..	T & G or plywood (see 6 alternatives) over subfloor on 2x10 joists @16" oc, plus P237- ceiling const.
	L502	1 hr-UR 22 min finish rating	1/2"	SHEETROCK FIRECODE C 2P-X2, 1PC-AR, & WRC	N/A	N/A	T & G or plywood (see 14 alternatives) over subfloor on 2x10 joists @ 16" o.c.
	L508	1 hr-UR 29 min finish rating	5/8"	SHEETROCK FIRECODE C 1P-X1, 2P-X2, 2PC-AR, SCX, SYX, & WRX	N/A	N/A	T & G or plywood on 4x10 or DBL 2x10 joists
Wood Joists	L513	1 hr-UR 28 min finish rating	5/8"	SHEETROCK FIRECODE C	N/A	N/A	3/4" T & G w/ adhesive on 2x10" joists @ 24" o.c., drywall battens at joints (see 15 alternatives)
	L515	1 hr-UR 21 min finish rating	1/2"	SHEETROCK FIRECODE C 2P-X2, 1PC-AR, & WRC	N/A	N/A	T & G over subflooring on 2x10 joists @ 16" o.c. (see 9 alternatives)
	L523	1 hr-U 21-min. finish rating	5/8"	SHEETROCK FIRECODE C	N/A	198 sq. in.	Finish floor over 5/8" plywood on 2x10 joists @ 16" o.c. max.
	L525	1 hr-UR 21 min finish rating	1/2" or 5/8"	SHEETROCK FIRECODE C	2x4 (24%)	57 sq. in.	T & G or plywood over subflooring on 2x10 joists @ 16" o.c.(see 12 alternatives)
	L526	1 hr-UR 22 min finish rating	5/8"	SHEETROCK FIRECODE C 1P-X2, 1PC-AR, & WRC	2x4 (24%)	114 sq. in.	T & G or plywood over on 2x10 joists (see 10 alternatives)
Plywood with Wood Truss	L521	1 hr-U 25-min. finish rating	5/8"	SHEETROCK FIRECODE C	N/A	324 sq. in.	Finish floor over plywood subfloor on min. 18"-deep wood truss @ 24" o.c. max.
	L529	1 hr-UR 22 min finish rating	5/8"	SHEETROCK FIRECODE C 1P-X2, 2PC-AR	2x4 (24%)	57 sq. in.	T & G wood floor or ltwt insulating concrete over subflooring (see 16 alternatives) on trusses @ 24" o.c. max
	L550	1 hr-U 23-min. finish rating	5/8"	SHEETROCK FIRECODE C	N/A	360 sq. in.	Finish floor over T&G plywood subfloor on min.-18" deep wood truss @ 24" o.c. max.
Plywood with Steel C-Joists or Light-Gauge Steel Truss	L524	1 hr-R&UR	1/2" two layers	SHEETROCK FIRECODE C	N/A	N/A	Finish floor over plywood subfloor on min. 7"-deep steel C-joist
	L548	1 hr-R&UR	5/8" two layers	SHEETROCK FIRECODE C	N/A	N/A	7/8" T&G plywood on min. 11-3/8"-deep, 16-ga. steel truss @ 24" o.c. max.
	L549	1 hr-R&UR	5/8"	SHEETROCK FIRECODE C	N/A	N/A	Finish floor over 23/32" plywood on light-gauge steel trusses @ 48" o.c. max.
	L551	1 hr-R&UR	5/8"	SHEETROCK FIRECODE C	N/A	N/A	Finish floor over 23/32" plywood on light-gauge steel trusses @ 48" o.c. max.

Flat Drywall Ceilings

Floor/Ceiling	UL Design No.	Assembly Rating*	Board Thick.	Wallboard Core Type	Fixture Size (% of Fixtures)	Max. Duct Area per 100 sf	Assembly Construction Details
Plywood with Steel C-Joists or Light-Gauge Steel Truss (continued)	L552	1 hr-R&UR	5/8"	SHEETROCK FIRECODE C	N/A	N/A	Finish floor over 23/32" plywood on light-gauge steel trusses @ 48" o.c. max.
	L553	1 hr-R&UR	5/8"	SHEETROCK FIRECODE C	N/A	N/A	Finish floor over 23/32" plywood on light-gauge steel trusses @ 48" o.c. max.
	L559	1 hr-R&UR	5/8"	SHEETROCK FIRECODE C	N/A	N/A	Finish floor over 23/32" plywood on light-gauge steel trusses @ 48" o.c. max.
	L560	1 hr-R&UR	5/8"	SHEETROCK FIRECODE C	N/A	N/A	Finish floor over 23/32" plywood on light-gauge steel trusses @ 48" o.c. max.
	L563	1 hr-UR	5/8"	SHEETROCK FIRECODE C	N/A	256 sq. in.	Wood floor; 2x4 open-web wood truss @ 24" o.c.
	L569	1 hr-UR	5/8"	SHEETROCK FIRECODE C	N/A	N/A	Wood floor; 2x10 wood joists @ 16" or 24" o.c. when battens (item7) are used.
	L570	1 hr-UR	1/2"	SHEETROCK FIRECODE C	N/A	N/A	Wood floor, 9-1/2"-deep wood l-joists @ 19.2" o.c.
FORTACRETE Panels with Steel C-Joists	G535	1-1/2 & 2 hr UR	5/8"	SHEETROCK FIRECODE C			
	G536	2 hr UR	5/8" two layers	SHEETROCK FIRECODE C			
	G556	1-1/2 & 2 hr UR	5/8"	SHEETROCK FIRECODE C			
	G557	2 hr UR	5/8" two layers	SHEETROCK FIRECODE C			
	G558	1 hr R & UR	5/8"	SHEETROCK FIRECODE C			
	G562	2 hr R & UR	5/8" two layers	SHEETROCK FIRECODE C			

* R = restrained rating
UR = unrestrained rating
UBR = unrestrained beam rating

Fire-Rated Ceiling Assemblies

Flat Drywall Suspension Ceilings

Floor/Ceiling	UL Design No.	Assembly Rating*	Board Thick.	Wallboard Core Type	Fixture Size (% of Fixtures)	Max. Duct Area per 100 sf	Assembly Construction Details
Double Ceiling Roof Assemblies	P237	2-hr-R & UR 2-hr-UBR	1/2"	SHEETROCK FIRECODE C	1x4 (12%), 2x2 (16%), 2x4 (24%), 20"x48" (20%)	576 sq. in.	Roof system on steel roof deck, min. fiber 8H3 or 10k1 min @ 72" o.c. max
	P239	1-1/2 hr-R & UR 1-1/2 hr-UBR	1/2"	SHEETROCK FIRECODE C	1x4 (12%), 2x2 (16%), 2x4 (24%), 20"x48" (20%)	576 sq. in.	Roof covering of gypsum concrete over USG form board, subpurlins and 12J3 joists w/ w6x16 beam.
	P241	2 hr-R & UR	1/2"	SHEETROCK FIRECODE C	1x4 (12%), 2x2 (16%), 2x4 (24%), 209x48" (20%)	576 sq. in.	Roof covering over over insulating concrete on steel roof deck and 10J3 min joists @ 48" o.c.
Mineral and Fiber Board on Building Units or Precast Concrete	P501	1 and 2 hr-R & UR	5/8"	SHEETROCK FIRECODE C 2P-X2 & 2PC-AR	N/A	N/A	Roof covering over mineral and fiber board on building or precast concrete units, 14J5 joists @ 48" o.c. max.
Gypsum Plank, Insulation Board	P506	1-1/2 hr-R & UR	5/8"	SHEETROCK FIRECODE C	2x4 (24%)	57 sq in	Roof covering over min & fiber boards. on gypsum planks, subpurlins and 12 H5 joists @48" o.c. max.
	P508	1 hr-R & UR	5/8"	SHEETROCK FIRECODE C 2P-X2, 1PC-AR, & WRC	2x4 (24%)	144 sq in	Roof covering over min & fiber boards (see alt) gyp wallboard., steel roof deck, 10J4 joists (min) @48" o.c.
Insulating Concrete	P507	1-1/2 hr-R 1 hr-UR	5/8"	SHEETROCK FIRECODE C	2x4 (24%)	57 sq in	Roof covering on foamed plastic insulation, Gypsum conc and form boards. on subpurlins and 10J4 joists (min) @ 4'o.c.
	P509	1 hr-R & UR 1 hr-R	5/8"	SHEETROCK FIRECODE C	2x4 (24%)	144 sq in	Roof covering on foamed plastic insulation, Gypsum conc. and form boards. on subpurlins and 10J4 joists (min) @ 4'o.c.
Corrugated Steel Deck w/Insulated Board or Foam Plastic Insulation	P510	1 & 1-1/2 hr-R & UR	1/2" & 5/8"	SHEETROCK FIRECODE C	2x4 (24%)	57 sq in	Roof covering over insulation (see alt) on gypsum wallboard steel roof deck, 10J4 joists (min) @ 72" o.c. max.
	P513	1-1/2 hr-R & UR	5/8"	SHEETROCK FIRECODE C	2x4 (24%)	144 sq in	Roof covering on insulating concrete and foamed plastic over corrugated steel deck, 10J4 steel joists @ 48" o.c.
	P514	2 hr-R & UR	5/8"	SHEETROCK FIRECODE C	2x4 (24%)	255 sq in	Roof covering over insulation (see 9 alternatives), gyp. wallboard and steel deck, 8H3 steel joists @ 48" o.c.
	P516	1 hr-UR	5/8" (2 layers)	SHEETROCK FIRECODE C	NA	NA	Metal roof deck panels on Min. 8" deep C-or-Z-shaped purlins @ 60" max, glass fiber insulation between roof deck panels and steel roof purlins, W-shaped beam
	P518	1 hr-R&UR 1 hr-UB	1/2" two layers	SHEETROCK FIRECODE C	N/A	N/A	Roof covering over steel deck on min. min. 8"-deep, 18-ga. steel C-joists @ 24" o.c. max.

Flat Drywall Suspension Ceilings

Floor/Ceiling	UL Design No.	Assembly Rating*	Board Thick.	Wallboard Core Type	Fixture Size (% of Fixtures)	Max. Duct Area per 100 sf	Assembly Construction Details
Engineered Steel or Wood or Roof Truss	P515	1 hr-R&UR	5/8" two layers	SHEETROCK FIRECODE C	N/A	N/A	Roof covering over mineral and fiber board on steel roof deck over steel roof trusses @ 48" o.c. max.
	P521	2 hr-R&UR	5/8" two layers	SHEETROCK FIRECODE C	N/A	N/A	Roof covering over foamed plastic insulation, gypsum wallboard, steel deck on light-gauge steel trusses @ 48" o.c. max.
	P522	1 hr-UR	5/8"	SHEETROCK FIRECODE C	N/A	196 sq. in.	Roof system over 15/32" plywood on wood trusses @ 24" o.c. max. @ 24" o.c. max.
	P523	1 hr-R&UR	5/8"	SHEETROCK FIRECODE C	N/A	N/A	Roof system over 23/32" plywood on light-gauge steel trusses @ 48" o.c. max.
	P525	2 hr-R&UR	5/8" two layers	SHEETROCK FIRECODE C	N/A	N/A	Roof membrane or metal roof deck on foamed plastic insulation, Durock® Brand Cement Board or gypsum wallboard over corrugated steel deck on light-gauge steel trusses @ 48" o.c. max.
	P526	1 hr-R&UR	5/8"	SHEETROCK FIRECODE C	N/A	N/A	Roof system over 23/32" plywood or steel roof deck on light-gauge steel trusses @ 48" o.c. max.
	P527	1-1/2 hr-R&UR	5/8"	SHEETROCK FIRECODE C	N/A	N/A	Roof covering or metal roof deck on foamed plastic insulation, Durock® Brand Cement Board or gypsum wallboard over corrugated steel deck on light-gauge steel trusses @ 48" o.c. max.
	P528	1 hr-R&UR	5/8"	SHEETROCK FIRECODE C	N/A	N/A	Roof system over 23/32" plywood or steel roof deck on light-gauge steel trusses @ 48" o.c. max.
	P529	1-1/2 hr-R&UR	5/8"	SHEETROCK FIRECODE C	N/A	N/A	Roof covering or metal roof deck on foamed plastic insulation, Durock® Brand Cement Board or gypsum wallboard over corrugated steel deck on light-gauge steel trusses @ 48" o.c. max.
	P530	1 hr-R&UR	5/8"	SHEETROCK FIRECODE C	N/A	N/A	Roof system over 23/32" plywood or steel roof deck on light-gauge steel trusses @ 48" o.c. max.
	P531	1 hr-UR	5/8"	SHEETROCK FIRECODE C	N/A	360 sq. in.	Roof system over 15/32" plywood on wood trusses @ 24" o.c. max.
	P534	1 hr-R&UR	5/8"	SHEETROCK FIRECODE C	N/A	N/A	Roof system over 23/32" plywood or steel roof deck on light-gauge steel trusses @ 48" o.c. max.

Fire-Rated Ceiling Assemblies

Floor/Ceiling	UL Design No.	Assembly Rating*	Board Thick.	Wallboard Core Type	Fixture Size (% of Fixtures)	Max. Duct Area per 100 sf	Assembly Construction Details
Engineered Steel or Wood Roof Truss (continued)	P535	1 hr-R&UR	5/8"	SHEETROCK FIRECODE C	N/A	N/A	Roof covering or metal roof deck over mineral and fiber board or foamed plastic insulation, Durock® cement board or gypsum wallboard over light-gauge steel trusses @ 48" o.c. max.
	P536	2 hr-R&UR	5/8" two layers	SHEETROCK FIRECODE C	N/A	N/A	Roof covering or metal roof deck on foamed plastic insulation, Durock® cement board or gypsum wallboard over corrugated steel deck on light-gauge steel trusses @ 48" o.c. max.
	P537	1 hr-R&UR	5/8"	SHEETROCK FIRECODE C	N/A	N/A	Roof system over 23/32" plywood or steel roof deck on light-gauge steel trusses @ 48" o.c. max.

Notes

<p>General Notes</p>	<p>1. Hanger wire should be located between the main tee splice and the expansion relief notch and a maximum 48" o.c., or per the requirements of the specific UL design.</p> <p>2. All 60" cross tees are to have hanger wires at their midpoint.</p> <p>3. Assemblies are tested with the method and criteria established in Standard UL 263, also known as A2.1, ASTM E119 and NFPA 251.</p>	<p>4. Hold-down clips are required when fire-rated board weighs less than 1.0 lb./sq. ft.</p> <p>5. % Fixtures column indicates 24" x 48" fixture only, unless noted. Check for suspension requirements.</p> <p>6. Some designs pertain to DXL only. Contact UL Fire Resistance Directory and revisions to confirm all information listed in these tables.</p> <p>7. DXLR and ZXLA are also listed by UL.</p>	<p>8. DXL has been used in many other industry fire tests and listed in reports such as the National Evaluation Reports, for example, NER-148 and NER-399 (wood truss constructions).</p> <p>** Check UL Designs for deck options.</p>
<p>UL Abbreviations (See UL Directory for details)</p>	<p>R = Restrained assembly UR = Unrestrained assembly URB = Unrestrained beam</p> <p>FIRECODE Cast Panels AP or AP-3 = FROST, GLACIER, SANDRIFT AP-1 or AP-2 = FROST, GLACIER, SANDRIFT</p>	<p>FIRECODE Panel FC-CB = SHEETROCK Brand Lay-In Ceiling Panel <i>CLIMAPLUS</i></p> <p>FIRECODE Water-Felted Panels Astro-FR = ASTRO <i>CLIMAPLUS</i> FR-X1 = ECLIPSE <i>CLIMAPLUS</i>, MILLENNIA <i>CLIMAPLUS</i> FR-83 = ASPEN, FISSURED, PEBBLED <i>CLIMAPLUS</i>, RADAR, RADAR <i>CLIMAPLUS</i>, RADAR <i>CLIMAPLUS</i> High NRC/CAC, ROCK FACE <i>CLIMAPLUS</i>, TOUCHSTONE FR-4 = RADAR Ceramic <i>CLIMAPLUS</i> M = CLEAN ROOM <i>CLIMAPLUS</i></p>	
<p>Report Compliance</p>	<p>L.A. Research Report Compliance DONN brand suspension systems manufactured by CGC Interiors, Inc. comply with one or more of the following L.A. Research Report numbers: 22179, 23541, 24095.</p> <p>ICBO 2244 and 1939 Research Reports</p>		

Warranties and Limitations

Lifetime (30-Year) Limited Warranty

All CGC DONN brand suspension systems, when used with any CGC ceiling panels or tiles or SHEETROCK brand gypsum lay-in ceiling panels, carry a lifetime (30-year) warranty that our products shall be free from manufacturing defects and that the suspension systems shall be free from the occurrence of 50% red rust as defined by ASTM D610 test procedures for 30 years from the date of installation.

CGC ceiling panels and tiles with *CLIMAPLUS* performance are specially formulated to endure environments with up to 100% relative humidity and temperatures up to 104 °F. These panels carry a limited warranty against visible sag for 30 years when installed in a DONN suspension system.

Sag resistance is measured under 'Standard Test Method for Strength Properties of Pre-fabricated Architectural Acoustical Tile or Lay-in Ceiling Panels', ASTM C367-05. The Test Method cautions (Section 17.3) that it "is not designed to establish the expected performance of the ceiling panels under field conditions of use, but only the sag properties for the specific temperature, humidity, exposure time and mounting conditions used in the test.

Neither this Test Method nor any other laboratory test we are aware of can predict long-term sag resistance. We do know that the higher the relative humidity and temperature, and the longer the time these conditions prevail, the more susceptible to sag are the ceiling panels. Nevertheless, CGC has offered sag resistant ceiling panels for more than 20 years, and we have very rarely received sag complaints. This excellent field performance is expected because the formulations of both core and/or backing, depending on the particular panel, inherently impart sag resistance. Avoidance of extreme temperature and humidity conditions and regular cleaning will enhance sag resistance and all other performance attributes of the ceiling panels.

CGC *CLIMAPLUS* ceiling panels with Superior Performance are warranted to be free from the growth of mould, mildew, and Gram-positive and Gram-negative odor- and stain-causing bacteria for 30 years from the date of installation. These ceiling panels include an antimicrobial treatment on the painted surface that contains a mould-inhibiting agent that provides broad-spectrum control for the growth of mould and mildew over the warranty period; these ceiling panels also resist the growth of Gram-positive and Gram-negative odor and stain causing bacteria. *CLIMAPLUS* fiberglass panels and RADAR Ceramic *CLIMAPLUS* ceiling panels do not have Superior Performance antimicrobial treatment; they are warranted to be free from the growth of mould, mildew, and odor- and stain-causing bacteria for 30 years from the date of installation due to the inherent characteristics of the products.

CLEAN ROOM *CLIMAPLUS* and SHEETROCK *CLIMAPLUS* gypsum lay-in panels do not feature the Superior Performance antimicrobial treatment and therefore are not included in the 30-Year Antimicrobial System Warranty.

All CGC limited warranties are subject to use under normal conditions. Abnormal conditions include exposure to chemical fumes, vibrations, moisture from conditions such as leaks or condensation, excessive humidity, or excessive dirt or dust buildup.

By "lifetime" we mean the useful life of the ceiling system, up to a maximum of 30 years.

The *CLIMAPLUS* warranty periods for these and other CGC products and systems are as follows:

Warranties	Ceiling Systems	Panel/Tile	Suspension System
	<i>CLIMAPLUS</i> Panels & Tile plus <i>DONN</i> Suspension System	Lifetime	30 Years
All other CGC Ceiling Panels & Tile plus <i>DONN</i> Suspension System	1 Year	—	Lifetime
CGC Specialty Ceilings	1 Year	—	—
Individual Products			
<i>CLIMAPLUS</i> Panels & Tile	10 Years	—	—
All Other CGC Ceiling Panels & Tile	1 Year	—	—
<i>DONN</i> Suspension Systems	—	—	10 Years

All warranties are subject to the following terms and conditions:

Who is covered? Except where stated otherwise on specific product warranties, all CGC warranties cover the original owner of the building at the time of installation.

What will CGC do? In the unlikely event of product performance failure, at our election CGC will replace the goods or we will refund or credit an amount equal to the (original) purchase price of the goods within warranted conditions.

The building owner is responsible for all costs associated with removal and installation.

What does this warranty not cover? All ceiling products and systems must be installed and maintained in accordance with current CGC written instructions and best industry practice, including the CISCA Handbook and ASTM C636, "Standard Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-In Panels." SHEETROCK Gypsum Panels used with the CGC Drywall Suspension System are not covered.

Also, you must observe the following:

- Care must be taken that the products are not damaged during delivery and while they are stored at the job site.
- The products must always be protected from vibration, direct contact with water including condensation, and chemical fumes, both before and after installation.
- These products may not be used in exterior applications. The only exception is *RADAR* Ceramic *CLIMAPLUS*, which may be used in exterior soffits.

Except for ceilings with Superior Performance, *CLIMAPLUS* fiberglass ceiling panels and *RADAR* Ceramic *CLIMAPLUS* ceiling panels, the growth of mould or bacteria is not covered by this warranty nor is it the responsibility of CGC. All products should be maintained to avoid excessive dirt or dust buildup or the presence of excessive moisture that would provide a medium for microbial growth on ceiling panels.

Damage that may occur from vibrations, fire, water, freezing temperature, accident, any form of abuse or exposure to Abnormal Conditions is not covered in this warranty. If subject to Abnormal Conditions, the products should be removed immediately and replaced once the conditions are normal.

Warranties and Limitations

Warranty Conditions

All ceiling products and suspension systems must be installed and maintained in accordance with CGC written installation instructions for that product in effect at the time of installation and best industry practice. Prior to, during, and after installation, the ceiling product must be kept clean and dry, and maintained in an environment free of chemical fumes or vibration, not subject to Abnormal Conditions and within the following conditions:

Performance Level	Environmental Limitations
RADAR Ceramic <i>CLIMAPLUS</i>	60-104°F (16-40°C) Up to 100% RH
<i>CLIMAPLUS</i> Ceilings	60-104°F (16-40°C) up to 95% RH
Standard Commercial Ceilings	60-85°F (16-29°C) up to 70% RH

For RADAR Ceramic *CLIMAPLUS* ceiling panels: The sag performance warranty extends to installations where the ceiling product is exposed to environments subject to temperatures of 60-104°F (16-40°C), chemical fumes, steam, and up to 100% RH, including standing water applications, so long as the product is installed with either AX or ZXLA suspension systems. For swimming pools, install only with AX or ZXLA suspension systems. For outdoor soffits, canopies and parking garages, install with ZXLA suspension system (wind uplift should be considered).

For all *CLIMAPLUS* products (excludes CLEAN ROOM *CLIMAPLUS* and SHEETROCK gypsum lay-in panels): These ceilings must be maintained to avoid excessive dirt or dust buildup that would provide a medium for microbial growth on these panels or tiles. Microbial protection does not extend beyond the treated surface as received from the factory, and does not protect other materials that contact the treated surface such as supported materials.

Suspension Systems

Prior to, during, and after installation, the suspension systems (excluding AX, ZXLA and the CGC drywall suspension system) shall be maintained in a temperature range of 60-104 °F (16-40 °C) and relative humidity shall not exceed 90%. AX, ZXLA and the CGC Drywall Suspension System shall be maintained in a temperature range from 60-104 °F (16-40 °C) and relative humidity can be up to 100%. The warranty does not cover rusting that occurs from building leaks or condensation.

General notes

The ceiling panels must not be used to support any material including insulation. Where insulation must be used, it should be no heavier than 0.26 lbs./sq. ft. and installed with the following CGC recommendations: insulation must be applied perpendicular to the suspension cross tees with the suspension system supporting the weight of the insulation. Insulation is also not recommended to be used as follows: Firecode applications, unless specified and use described by Underwriters Laboratories, Inc. Mould or mildew growth on insulation or placed above the ceiling panel or tile are not covered by this warranty.

This warranty does not cover damage caused by fire, water, accident, or by any form of abuse except normal wear and tear.

Please see CGC written instructions about proper maintenance, touch up, and repainting of our ceiling systems. Please note that not all products can be repainted and that repainting will affect acoustical performance, appearance, microbial resistance, fire resistance, and ventilation through the ceiling panels or tiles.

Normal environmental conditions must prevail to warrant product performance. This warranty will not cover

Note

1. RADAR Ceramic ceiling panels with *CLIMAPLUS* performance will withstand corrosive chemical fumes and contain coatings and/or a formulation to inhibit or retard the growth of mould and mildew.

situations where the panels are subject to vibrations or chemical fumes or where moisture comes in contact with the ceiling panel or tile as a result of a leaking roof, a sweating pipe, a leaking radiator, a flood, condensation on windows, condensation on more subtle surfaces where dew points are reached, humidified air from the HVAC system or any other similar causes.

How do you get service?

You must notify CGC of the problem within 30 days of the time the problem first became apparent to you at the following address: CGC, 350 Burnhamthorpe Rd. W. 5th Floor L5B 3J1. Please send us any photographs of the problem area as these are often helpful. (Or, call us at 800 950.3839.) We will contact you within 30 days and, if we authorize a replacement or payment, that will be done within 30 days thereafter.

How does provincial law apply?

This warranty gives you specific legal rights and you may also have other rights, which vary from province to province.

Replacement or refunding the purchase price of defective material shall constitute the sole and total obligation of CGC. We shall not be responsible for any labor charges or other installation or replacement costs or for incidental or consequential damages of any nature whatsoever. THIS WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES NOT EXPRESSLY SET FORTH HEREIN, WHETHER IMPLIED BY OPERATION OF LAW OR OTHERWISE, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS.

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Safety First!

Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read MSDS and literature before specification and installation.

Notes

All products described here may not be available in all geographic markets. Consult your local sales office or representative for information.

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Web Sites

cgcinc.com

usgdesignstudio.com

sustainableceilings.com

seismicceilings.com

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