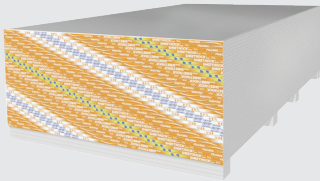




CGC SHEETROCK® BRAND GYPSUM PANELS FLEXIBLE 6.4 mm (1/4")

DATA SHEET



DESCRIPTION

FLEXIBLE GYPSUM BOARD FOR CURVED WALLS, ARCHWAYS, AND STAIRCASES.

- Designed to construct curved surfaces easily
- Quick installation and decoration
- Lightweight, fire-resistant dry construction

ADVANTAGES

CGC Sheetrock® Brand Gypsum Panels 6.4 mm (1/4") flexible have a non-combustible gypsum core that is encased in a 100% recycled face and back paper. The panels feature tapered edges for easy installation.

DRY CONSTRUCTION: Factory-fabricated gypsum panels eliminate excessive moisture in construction.

LOW IN-PLACE COST: The easily cut gypsum panels apply quickly, permit painting or other decoration, and allow installation of metal or wood trim almost immediately.

FIRE PROTECTION: The gypsum core will not support combustion or transmit temperatures greatly in excess of 100°C (212°F) until completely calcined—a slow process.

CRACK RESISTANCE: With joints reinforced by a CGC/Synko® Brand joint system, CGC Sheetrock® Gypsum Panels 6.4 mm (1/4") flexible form walls and ceilings that are exceptionally resistant to cracks caused by structural, thermal, and hygrometric changes.

NON-WARPING: Expansion or contraction under normal atmospheric changes is negligible.

LIMITATIONS

1. Avoid exposure to temperatures exceeding 52°C (125°F).
2. Avoid exposure to excessive or continuous moisture before, during and after installation. Eliminate sources of moisture immediately.
3. Non-load bearing.
4. Application of gypsum panels over an insulating blanket, installed continuously across the face of the framing members, is not recommended. Blankets should be recessed and blanket flanges attached to sides of studs or joists.
5. Painting systems — For satisfactory results, painting products and systems should be used that comply with recommendations and requirements in Appendices of ASTM C840.

FINISHING AND DECORATING

For high-quality finishing results, CGC recommends the following products:

- CGC/Synko® Ready-Mixed Joint Compounds
- CGC/Synko® Setting-Type Joint Compounds
- CGC/Synko® Joint Tape
- CGC Sheetrock®/Beadex® Paper Faced Metal Drywall Bead and Trim
- CGC Sheetrock® First Coat Primer or Synko® Pre-Coat Drywall Surface Equalizer
- CGC Sheetrock® Tuff-Hide™ Primer-Surfacer

Painting products and systems should be used which comply with recommendations and requirements in Appendices of ASTM C840. For priming and decorating with paint, texture or wall covering, follow manufacturer's directions for materials used. Gypsum Association GA-214, *Recommended Specification for Levels of Gypsum Board Finish*, should be referred to in order to determine the level of finishing needed to ensure a surface properly prepared to accept the final decoration.

All surfaces, including applied joint compound, must be thoroughly dry, dust-free, and not glossy. Prime with CGC Sheetrock® Brand First Coat Primer, Synko® Brand Pre-Coat Drywall Surface Equalizer or with an undiluted, interior latex flat paint with high solids content. Allow to dry before decorating.

To improve fastener concealment, where gypsum panel walls and ceilings will be subjected to severe artificial or natural side lighting, or be decorated with a gloss paint (egg shell, semi-gloss or gloss), the gypsum panel surface should be skim coated with joint compound. This equalizes suction and texture differences between the drywall face paper and the finished joint compound before painting. As an alternative to skim coating, or when a Level 5 finish is required, use CGC Sheetrock® Brand Tuff-Hide™ Primer-Surfacer.





PRODUCT DATA

Dimensions	6.4 mm (1/4") thick, 1220 mm (4') wide, 2440 mm (8') and 3660 mm (12') long
Weight	5.9 kg/m ² (1.2 lb./ft ²)
Thermal Resistance "R"	0.04 k x m ² /W (0.22 h x ft. ² °F/Btu)
Thermal Coefficient of Expansion (Unrestrained): 4-38°C (40-100°F)	16.2 x 10 ⁻⁶ mm/mm/°C (9.0 x 10 ⁻⁶ in./in./°F)
Hygrometric Coefficient of Expansion (Unrestrained): 5-90% RH	7.2 x 10 ⁻⁶ mm/mm/% RH (7.2 x 10 ⁻⁶ in./in./% RH)

TEST DATA

MINIMUM BENDING RADII OF 6.4 mm (1/4") CGC SHEETROCK® FLEXIBLE GYPSUM PANELS

APPLICATION	CONDITION	LENGTHWISE		WIDTHWISE	
		Bend Radii	Max. Stud Spacing	Bend Radii	Bend Radii
Inside (concave)	Dry	815 mm (32")	230 mm (9") o.c.	510 mm (20")	230 mm (9") o.c.
Inside (concave)	Wet	510 mm (20")	230 mm (9") o.c.	250 mm (10")	150 mm (6") o.c.
Outside (convex)	Dry	815 mm (32")	230 mm (9") o.c.	280 mm (11")	150 mm (6") o.c.
Outside (convex)	Wet	380 mm (15")	150 mm (6") o.c.	180 mm (7") o.c.	150 mm (6") o.c.

Note: Bending specifications are for board tested at 18°C (65° F) and 45% relative humidity.

COMPLIANCE

CGC Sheetrock® Gypsum Panels 6.4 mm (1/4") flexible comply with ASTM C1396.
Surface Burning Characteristics: CAN/ULC S102, flame spread 15; smoke developed 0.

PRODUCT INFORMATION

See cgcinc.com for the most up-to-date product information.

NOTE

Products described here may not be available in all geographic markets. Consult your CGC Inc. sales office or representative for information.

TRADEMARKS

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NOTICE

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by application of these goods not in accordance with current printed instructions or for other than the intended use. Our liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from date it was or reasonably should have been discovered.

SAFETY FIRST!

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

