CGC Interior Panel & Finishing Solutions

CGC SHEETROCK® BRAND MOLD TOUGH® PANELS FIRECODE® X

15.9 mm (5/8 in.) Type X panels with moisture and mould resistance for wall and ceiling applications

- Feature a noncombustible, moisture-resistant gypsum core encased in moisture- and mould-resistant, 100% recycled green face and brown back papers
- Comply with ASTM C1396, *Standard Specification for Gypsum Board*, for 15.9 mm (5/8 in.) Type X, water-resistant gypsum wallboard and exterior gypsum soffit board
- Underwriters Laboratories Inc. (cUL) Classification as to fire resistance, surface-burning characteristics and noncombustibility
- Achieved GREENGUARD Gold Certification and qualifies as a low VOC emitting material (meets CA 01350)

DESCRIPTION

CGC Sheetrock® Brand Mold Tough® Panels Firecode® X (UL Type SCX) are 15.9 mm (5/8 in.) Type X panels that feature a noncombustible, moisture-resistant gypsum core that is encased in moisture- and mould-resistant, 100% recycled green face and brown back papers. When tested in accordance with ASTM D3273, *Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber,* the panels meet or exceed ASTM C1396 specifications. The face paper is folded around the long edges to reinforce and protect the core, and the ends are cut square and even. The long edges of the panels are tapered, allowing joints to be reinforced and concealed with CGC Sheetrock® or Synko® Brand joint treatment systems. The panels are cUL Classified for fire resistance and can be used in any UL Design in which Type SCX panels are listed. On the face along the long edge of each panel, the UL Type Designation is printed for easy identification by building inspectors.

INTENDED FOR

- Commercial or residential applications where 15.9 mm (5/8 in.) Type X panels with moisture and mould resistance are required
- New or repair and remodel construction
- Load-bearing and nonload-bearing wood- or steel-framed fire-rated walls and ceilings
- Interior tile substrate in dry locations or areas with limited water exposure. Qualifies as a water-resistant backing board for ceramic tile in residential tub and shower enclosures as permitted in the National Building Code of Canada (9.29.10.4)
- Protected exterior soffit and ceiling applications

LIMITATIONS

1. Avoid exposure to sustained temperatures exceeding 52°C (125°F).
2. Avoid exposure to excessive, repetitive or continuous moisture before, during and after installation. Eliminate sources of moisture immediately.
3. Must be stored off the ground and under cover in accordance with Gypsum Association's GA-801, *Handling and Storage of Gypsum Panel Products*.
4. For protected exterior ceiling and soffit applications, the panels must be protected from direct exposure to weather. Refer to the *CGC Gypsum Construction Handbook* for installation recommendations.
5. Not recommended for exterior soffits and ceilings which project upwards and away from the building proper.
6. Not suitable for use as a substrate for tile in wet areas such as tubs and showers, gang showers and other areas subject to direct water exposure. Not to be installed in areas exposed to continuous high humidity such as indoor pools or spaces subject to open or standing water.
7. Use as a tile substrate is limited to tile installed according to the most current TTMAC, TCNA and ANSI specifications. Consult with adhesive and tile manufacturers for recommendations for maximum size and weight parameters for use with gypsum board.
8. If panels are to be tiled, they should not be installed over a vapour barrier.

INTERIOR INSTALLATION, FINISHING AND DECORATING

INSTALLATION

For maximum framing spacing in non-fire-resistance-rated applications of gypsum panel products, refer to Gypsum Association's GA-216, *Specifications for the Application and Finishing of Gypsum Panel Products* or ASTM C840, *Standard Specification for Application and Finishing of Gypsum Board*. For fire-resistance-rated applications, refer to the published UL Design or GA File Number.

Maximum Framing Spacing for Single-Layer Application

Location	Gypsum Panel Thickness	Gypsum Panel Orientation to Framing	Maximum Framing Spacing OC
Ceilings[1]	15.9 mm (5/8 in.)	Parallel	406 mm (16 in.)
		Perpendicular	610 mm (24 in.)
Walls	15.9 mm (5/8 in.)	Parallel	610 mm (24 in.)
		Perpendicular	610 mm (24 in.)

Maximum Framing Spacing for Multi-Layer Application Without Adhesive Between Layers

Location	Gypsum Panel Thickness	Gypsum Panel Orientation to Framing	Maximum Framing Spacing OC
Ceilings[1]	15.9 mm (5/8 in.)	Parallel	406 mm (16 in.)
		Perpendicular	610 mm (24 in.)
Walls	15.9 mm (5/8 in.)	Parallel	610 mm (24 in.)
		Perpendicular	610 mm (24 in.)

Note:

1. On ceilings to receive water-based texture material, 15.9 mm (5/8 in.) gypsum board shall be applied either parallel to framing spaced at 406 mm (16 in.) OC or perpendicular to framing spaced maximum 610 mm (24 in.) OC. See Appendix A.3 of Gypsum Association's GA-216, *Specifications for the Application and Finishing of Gypsum Panel Products* for more information.

FINISHING AND DECORATING

For high-quality finishing results, CGC recommends CGC Sheetrock® or Synko® Brand interior finishing products.

Painting products and systems should be used that 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's GA-214, *Recommended Levels of Finish for Gypsum Board, Glass Mat and Fiber-Reinforced Gypsum Panels* 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 critical artificial or natural side lighting, or will be decorated with a gloss paint (eggshell, semigloss or gloss), the gypsum panel 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. When a Level 5 finish is required, use CGC Sheetrock® Brand Tuff-Hide™ Primer-Surfacer. See *CGC Sheetrock® Brand Tuff-Hide™ Primer-Surfacer Submittal Sheet* (JC0156) for limitations and application instructions.

For more information, refer to CGC literature, *Finishing & Decorating Gypsum Panels White Paper* (J2010).

TEST DATA

Property		Test Method	Requirement	UL Type SCX
Noncombustibility		CAN/ULC-S114	Noncombustible	Meets
Surface-burning characteristics	Flame spread	CAN/ULC-S102	Flame Spread Index, not greater than 25	15
	Smoke developed	CAN/ULC-S102	N/A[2]	0
Core hardness	Field	ASTM C473 (B)	Not less than 11 lbf (49 N)[2]	Meets
	End	ASTM C473 (B)	Not less than 11 lbf (49 N)[2]	Meets
	Edge	ASTM C473 (B)	Not less than 11 lbf (49 N)[2]	Meets
Flexural strength	Parallel	ASTM C473 (B)	Not less than 46 lbf (205 N)[2]	Meets
	Perpendicular	ASTM C473 (B)	Not less than 147 lbf (654 N)[2]	Meets
Humidified deflection		ASTM C473	Not greater than 5/8 in. (15.9 mm)[2]	Meets
Nail pull resistance		ASTM C473 (B)	Not less than 87 lbf (387 N)[2]	Meets

Note:
2. Per ASTM C1396 for 15.9 mm (5/8 in.) gypsum wallboard.

MOISTURE AND MOULD RESISTANCE

Per ASTM C473, *Test Methods for Physical Testing of Gypsum Panel Products*, the average water absorption for CGC Sheetrock® Brand Mold Tough® Panels Firecode® X is not greater than 5% by weight after two-hour immersion.

In independent lab tests conducted per ASTM D3273 at the time of manufacture, the panels meet or exceed ASTM C1396 specifications. This ASTM lab test 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.

PRODUCT DATA

	UL Type SCX
Thickness	15.9 mm (5/8 in.)
Lengths[3]	2438-3658 mm (8-12 ft.)
Width	1219 mm (4 ft.)
Weight[4], nominal	10.7 kg/sq. m. (2.2 lb./sq. ft.))
Edges	Tapered
Packaging	Two panels per bundle

Notes:
3. Other sizes available by special order. Check with your local CGC representative for availability.
4. Represents approximate weight for design and shipping purposes. For specific product weight in your area, contact your local CGC representative or call the Customer Service Center at 800 387-2690 (English) or 800 361-1310 (French)

COMPLIANCE

- Comply with ASTM C1396 for 15.9 mm (5/8 in.) Type X, water-resistant gypsum wallboard and exterior gypsum soffit board
- cUL Classification as to fire resistance, surface-burning characteristics and noncombustibility
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SUBMITTAL APPROVALS

Job Name	
Contractor	**Date**

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

GREENGUARD Certified products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg.

CAUTION
Dust may cause irritation to eyes, skin, nose, throat and upper respiratory tract. Cut and trim with a utility knife or hand saw to minimize dust levels. Power tools must be equipped with a dust collection system. Wear eye, skin and respiratory protection if necessary. If eye contact occurs, flush thoroughly with water for 15 minutes. If irritation persists, call a physician. Do not swallow. If swallowed, call a physician. For more information please visit cgcinc.com to view the Safety Data Sheet (SDS).
KEEP OUT OF REACH OF CHILDREN.

NOTE
Products described here may not be available in all geographic markets. Consult your CGC Inc. sales office or representative for information. The information in this document is subject to change without notice. CGC Inc. assumes no responsibility for any errors that may inadvertently appear in this document.

NOTICE
We shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused 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 and industrial hygiene practices during handling and installation of all products and systems. Take necessary precautions and wear the appropriate personal protective equipment as needed. Read Safety Data Sheets and related literature on products before specification and/or installation.

800 387-2690 - English
800 361-1310 - French
cgcinc.com

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