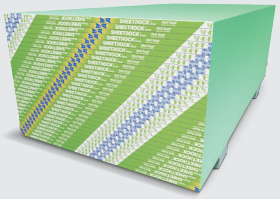
CGC SHEETROCK® BRAND PANELS MOLD TOUGH® FIRECODE® X

DATA SHEET



QUALITY INTERIOR WALL AND CEILING PANELS WITH WATER AND MOULD RESISTANCE
- Score and snap easily; no special handling required
- ULC Listed and cUL Classified for fire resistance and surface burning characteristics
- Install and finish just like standard drywall

DESCRIPTION

CGC Sheetrock® Brand Panels Mold Tough® have a noncombustible water and mould-resistant core encased in water and mould-resistant 100% recycled green face and brown back papers. The green 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 panels are tapered, allowing joints to be reinforced and concealed with CGC/Synko® Brand joint treatment systems.

INTENDED FOR

- Areas where water and mould resistance is desired.
- Wood or steel framing.
- Can be used for a tile substrate in dry locations or areas with limited water exposure. This panel also 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.
- For exterior ceiling and soffit.

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. Non-load bearing.
4. Maximum frame spacing for walls and ceilings is 610 mm (24″) o.c.
5. Must be stored off of the ground and under cover. Sufficient risers must be used to support the entire length of the gypsum board to prevent sagging. Please see GA-216, ASTM C840 and CAN/CSA-A82.31 for handling and installation guidelines including minimum 6.4 mm (1/4″) gap from floor.
6. Not suitable for use as a substrate for tile in commercial or institutional 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. Please consult with the adhesive and tile manufacturers for their 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.
9. Application of CGC Sheetrock® Brand Panels Mold Tough over insulating blanket, installed continuously across the framing members is not recommended. Blankets should be recessed and blanket flanges attached to sides of studs or joists.
10. For protected exterior ceiling and soffit applications, the panels must be protected from direct exposure to weather. Please refer to the *CGC Gypsum Construction Handbook* for installation recommendations.

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

Labeling: Each 15.9 mm (5/8″) Firecode® X panel bears the ULC and cUL label mark as evidence of UL Classifications for fire resistance, surface burning characteristics and noncombustibility.

PROPERTIES	FIRECODE X
Dimensions[1]	15.9 mm (5/8″) thick, 1220 mm (4′) wide, 2440 mm (8′), 2745 mm (9′), 3050 mm (10′) and 3660 mm (12′) long
Weight[2]	10.7 kg /m^2 (2.2 lb./$ft.^2$)
Edges	Tapered
Packaging	2 panels per bundle

1. Other sizes available by special order. Check with your local CGC representative for availability.
2. Represents approximate weight for design and shipping purposes. For specific product weight in your area, contact your local CGC representative or with customer service at 1-800-387-2690.

TEST DATA

WATER AND MOULD RESISTANCE

- Per ASTM C473, the average water absorption for panels is not greater than 5% by weight after 2 hour immersion.
- CGC Sheetrock® Brand Panels Mold Tough® have improved water and mould resistance over standard gypsum panels by treating the core and surface, independent lab tests were conducted at the time of manufacture per ASTM D3273, *Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber*, the panel score was 10.
- 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.

MAXIMUM FRAME SPACING DRYWALL CONSTRUCTION

DIRECT APPLICATION	PANEL THICKNESS[a]		LOCATION	APPLICATION METHOD[b]	MAXIMUM SPACING O.C.	
	mm	in.			mm	in.
Single-Layer	15.9	5/8	Ceilings	Perpendicular	610	24
			Sidewalls	Parallel or Perpendicular	610	24
Double-Layer	15.9	5/8	Ceilings	Parallel or Perpendicular	610	24[c]
			Sidewalls	Perpendicular	610	24[c]

(a) 15.9 mm (5/8″) thickness is recommended for the finest single-layer construction, providing increased resistance to fire and transmission of sound. (b) Long edge position relative to framing. (c) Maximum spacing 406 mm (16″) o.c. if fire rating required.

COMPLIANCE

CGC Sheetrock® Brand Panels Mold Tough® 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 sales office or representative for information.

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

Manufactured by:
CGC Inc.
350 Burnhamthorpe Rd. W, 5th Floor
Mississauga, ON L5B 3J1

cgcinc.com

EWBZ390/10-14

Printed in Canada