



CGC SHEETROCK® BRAND PANELS AR FIRECODE® X AND FIRECODE® C

DATA SHEET



DESCRIPTION

LOW COST, IMPACT-RESISTANT PANELS

- An upgrade to standard drywall
- Indentation resistant
- Impact resistant
- Crack and warp resistant

CGC Sheetrock® Brand Panels AR were designed and tested to offer greater resistance to surface indentation and impact damage than standard CGC Sheetrock® Brand gypsum panels. These abuse-resistant gypsum panels are a low-cost alternative to other systems for partitions that require greater impact resistance.

CGC Sheetrock® Panels AR are encased in heavy natural-finish paper on the face side and strong liner paper on the back side. The face paper is folded around the long edges to reinforce and protect the core. The ends are square cut and finished smooth. Long edges of panels are tapered, allowing joints to be reinforced and concealed with a CGC/Synko® Brand joint treatment system.

15.9 mm (5/8") Panels with Firecode® X and 12.7 mm (1/2") Panels with Firecode C cores: Recommended for commercial and institutional construction where greater resistance to indentation and impact damage are required, providing a low-cost alternative to other construction methods. Both the 15.9 mm (5/8") Firecode X and 12.7 mm (1/2") Firecode C core panels are cUL Classified and ULC Listed for fire resistance (Type X and Type C).

LIMITATIONS

1. Do not expose to sustained temperatures exceeding 52°C (125°F).
2. Do not expose to excessive, repetitive or continuous moisture before, during or after installation. Eliminate sources of moisture immediately.
3. Not suitable for use in high moisture areas, such as tub and shower enclosures, gang showers and other areas subject to direct water exposure.
4. Non-load bearing.
5. For abuse-resistant construction over steel framing, minimum 20 gauge drywall steel studs (0.79 mm [0.0312"] design thickness) as defined by the Steel Stud Manufacturers Association (SSMA) are required.
6. Application of CGC Sheetrock® Panels AR over an 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.

INSTALLATION, FINISHING AND DECORATING

CGC Sheetrock® Panels AR Firecode X and Firecode C are by design stronger and have greater surface hardness than standard 15.9mm (5/8") Type X panels. Because of this, they are heavier and will be expectedly more difficult to install. Slower installation production rates should be accounted for in job planning. Installing CGC Sheetrock® Panels AR Firecode X and Firecode C on studs fabricated with steel thinner than true 20 gauge drywall steel studs (0.79 mm [0.0312"] design thickness) as defined by the SSMA may result in increased fastener strip-out, improper screw head seating, or other related conditions. The equivalent gauge framing is also more sensitive to screw configuration and thread pitch. For fasteners, we recommend Grabber Streaker® and Scavenger™ screws. For framing, due to the wide variety of "equivalent" or "effective" gauge studs and the variation by manufacturer in actual steel thickness, CGC has no specific recommendations for installing CGC Sheetrock® Panels AR with Firecode X and Firecode C on equivalent gauge steel studs.

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.





PRODUCT DATA

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-Surfer.

Dimensions	12.7 mm (1/2") thick, 1220 mm (4') wide, 2440 – 3660 mm (8' – 12') long 15.9 mm (5/8") thick, 1220 mm (4') wide, 2440 – 3660 mm (8' – 12') long
Weight¹	12.7 mm (1/2") – 10.5 kg/m ² (2.2 lb./ft. ²) 15.9 mm (5/8") – 14.9 kg/m ² (2.8 lb./ft. ²)
Labeling	Each panel is stamped with Underwriters Laboratories of Canada and Underwriters Laboratories Inc. labels documenting ULC and UL classifications for fire resistance and surface burning characteristics. The panels also have an identification label with the following language: CGC Sheetrock® Abuse Resistant Gypsum Panel. A component of CGC Fire-Rated Systems.

1. Represents approximate weight for design and shipping purposes. For specific product weight in your area, contact your local CGC representative.

TEST DATA ABUSE RESISTANCE

Surface Abrasion	Tested in accordance with ASTM C1629. Classification Level 3*
Surface Indentation	Tested in accordance with ASTM C1629. Classification Level 1
Soft-body Impact Test	Tested in accordance with ASTM C1629. Classification Level 1

*With standard primer and two coats of finish paint a Level 3 abrasion resistance can be achieved.

Note: For projects requiring superior abuse resistance, specify CGC Sheetrock® Brand Panels Mold Tough® VHI abuse-resistant.

Fire Protection	Both 15.9 mm (5/8") Firecode® X and 12.7 mm (1/2") Firecode C core panels are cUL Classified and ULC Listed for fire resistance (Type X and Type C).
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COMPLIANCE

Meets ASTM C1396 and CAN/CSA-A82.27-M.
Surface Burning Characteristics: CAN/ULC S102, flame spread 15; smoke developed 5.

PRODUCT INFORMATION

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

TRADEMARKS

The trademarks CGC, SHEETROCK, BEADEX, FIRECODE, TUFF-HIDE, SYNKO, THE CGC LOGO, and related marks are trademarks of USG Corporation or its subsidiaries or its affiliates.

NOTE

Products described here may not be available in all geographic markets. Consult your CGC Inc. 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.

