

Sheetrock® Gypsum Panels



Firecode® and Firecode® C Cores

Quality interior wall and ceiling panels at low cost

- Fire-resistant dry construction
- Quick installation and decoration
- Score and snap easily
- Resist cracking and warping
- Specialized types for all systems

Description

SHEETROCK® gypsum panels are factory-fabricated, composed of a fire-resistant gypsum core encased in heavy natural-finish face paper 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® joint treatment system.

SHEETROCK® FIRECODE® gypsum panels are available with two core types for standard construction uses.

FIRECODE® Core

15.9 mm (5/8") Gypsum Panels Provide additional fire resistance over regular panels. Meets ASTM and CSA definition for Type X gypsum board.

FIRECODE® C Core

12.7 mm (1/2") and 15.9 mm (5/8") Gypsum Panels Specially formulated mineral core exceeds ASTM and CSA definition for Type X gypsum board.

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-loadbearing.
4. Fire-resistance ratings achieved when assembled in accordance with ULC and cUL designs.

Finishing and Decorating

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

- CGC or SYNKO® ready-mixed joint compounds
- CGC or SYNKO® setting-type joint compounds
- CGC or SYNKO® joint tape
- SHEETROCK® First Coat primer or SYNKO® Pre-Coat Drywall Surface Equalizer
- SHEETROCK®/BEADDEX® paper faced metal bead and trim
- SHEETROCK® TUFF-HIDE™ primer-surfacer

Painting products and systems should be used that comply with recommendations and requirements in Appendixes of ASTM C840. For priming and decorating with paint, texture or wall coverings, follow manufacturer's directions for materials used.

All surfaces, including applied joint compound, must be thoroughly dry, dust-free, and not glossy. Prime with SHEETROCK® First Coat primer, SYNKO® 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 and 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 SHEETROCK® TUFF-HIDE™ primer-surfacer.

Product Data

Size: 12.7 mm (1/2") x 1220 mm (48") wide x 2440 mm (96") – 3660 mm (144") long
15.9 mm (5/8") x 1220 mm (48") wide x 2440 mm (96") – 3660 mm (144") long

Weight: 12.7 mm (1/2") – 9.3 kg/m² (1.9 lb/ft²)
15.9 mm (5/8") – 10.6 to 11.8 kg/m² (2.2 to 2.5 lb/ft²)

Thermal Resistance "R": For 12.7 mm (1/2") thickness: 0.08 k x m²/W (0.45 h x ft.² °F/Btu)

Thermal Coefficient of Expansion: Unrestrained: 40-100 °F (4-38 °C):
16.2 x μm/mm/°C (9.0 x 10⁻⁶ in./in./°F)

Hygrometric Coefficient of Expansion: Unrestrained: 5-90% r.h.
7.2 x μm/mm/% RH (7.2 x 10⁻⁶ in./in./% RH)

Packaging: 2 panels per bundle

Test Data

Surface Burning Characteristics: CAN/ULC S102, flame spread 15; smoke developed 0

Compliance

Meets ASTM C1396 and CAN/CSA A82.27M.

Trademarks

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Note

Products described here may not be available in all geographic markets. Consult your CGC Sales 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 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 material safety data sheets and related literature on products before specification and/or installation.