

USG SHEETROCK® BRAND FIRECODE® C PANELS



DESCRIPTION

Specially formulated mineral core provides superior fire resistance for ceiling applications

- Systems using these panels qualify for fire ratings up to 3 hours in ceilings, and up to 4 hours in wall and column protection
- Underwriters Laboratories Inc. (UL) Classification as to fire resistance, surface-burning characteristics and noncombustibility
- Comply with ASTM C1396, *Standard Specification for Gypsum Board*
- Achieved GREENGUARD Gold Certification and qualifies as a low VOC emitting material (meets CA 01350)

Available in 1/2 in. and 5/8 in. thicknesses, USG Sheetrock® Brand Firecode® C Panels (UL Type C) feature a specially formulated mineral core that provides superior fire resistance for ceiling applications. These panels feature a noncombustible gypsum core encased in 100% recycled face and back papers that form a high strength composite design. The natural finish 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 USG Sheetrock® Brand joint treatment systems. The panels are UL Classified for fire resistance and can be used in any UL Design where Type C panels are listed. On the face along the long edge of each panel, the UL Type Designation is printed for easy identification after installation by building inspectors.

INTENDED FOR

- Commercial or residential applications where Type C panels are required
- Single-layer, fire-rated ceiling assemblies with insulation in the plenum
- New or repair and remodel construction
- Protection of load-bearing and non-load-bearing wood- or steel-framed fire-rated walls
- Listed by UL for use in floor/ceiling and roof/ceiling assemblies

LIMITATIONS

1. Avoid exposure to sustained temperatures exceeding 125 °F (52 °C).
2. Avoid exposure to excessive, repetitive or continuous moisture before, during and after installation. Eliminate sources of moisture immediately.
3. Maximum frame spacing for walls is 24 in. OC.
4. Must be stored off the ground and under cover in accordance with Gypsum Association's *Handling and Storage of Gypsum Panel Products* (GA-801-07).
5. Not for load-bearing design and not a structural panel.

INTERIOR INSTALLATION, FINISHING AND DECORATING INSTALLATION

Maximum Frame Spacing Drywall Construction

Direct Application	Panel Thickness ¹	Location	Application Method ²	Maximum Frame Spacing OC
Single-layer	1/2 in. (12.7 mm)	Ceilings	Perpendicular	24 in. (610 mm) ³
			Parallel ⁴	16 in. (406 mm)
		Sidewalls	Parallel or perpendicular	24 in. (610 mm)
			Parallel ⁴	16 in. (406 mm)
Double-layer	1/2 in. (12.7 mm)	Ceilings	Perpendicular	24 in. (610 mm)
			Parallel or perpendicular	24 in. (610 mm)
		Sidewalls	Perpendicular	24 in. (610 mm) ⁵
			Parallel or perpendicular	24 in. (610 mm) ⁵
Double-layer	5/8 in. (15.9 mm)	Ceilings	Perpendicular	24 in. (610 mm)
			Parallel or perpendicular	24 in. (610 mm)
		Sidewalls	Perpendicular	24 in. (610 mm) ⁵
			Parallel or perpendicular	24 in. (610 mm) ⁵

**INTERIOR INSTALLATION,
FINISHING AND DECORATING
CONT.
INSTALLATION**

FINISHING AND DECORATING

PRODUCT DATA

COMPLIANCE

Notes:

1. 1/2 in. thickness is recommended for single-layer application in new residential construction and remodeling. 5/8 in. thickness is recommended for the finest single-layer construction, providing increased resistance to fire and transmission of sound.
2. Long edge position relative to framing.
3. Maximum spacing 16 in. OC if water-based texturing material is to be applied.
4. Not recommended if water-based texturing material is to be applied.
5. Maximum spacing 16 in. OC if fire rating required.

For high-quality finishing results, USG recommends USG Sheetrock® Brand 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 *Recommended Specification for Levels of Gypsum Board Finish (GA-214)* 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 USG Sheetrock® Brand First Coat™ Primer 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 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. As an alternative to skim coating, or when a Level 5 finish is required, use USG Sheetrock® Brand Tuff-Hide™ Primer-Surfacer.

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

	UL Type C	
Thickness	1/2 in. (12.7 mm)	5/8 in. (15.9 mm)
Lengths	8-14 ft. (2438-4267 mm)	8-14 ft. (2438-4267 mm)
Width⁶	4 ft. (1219 mm), 54 in. (1372 mm)	4 ft. (1219 mm), 54 in. (1372 mm)
Weight⁷, nominal	2.0 lb./sq. ft. (9.8 kg/sq. m.)	2.5 lb./sq. ft. (12.2 kg/sq. m.)
Edges	Tapered	Tapered
Packaging	Two panels per bundle	Two panels per bundle
Surface-burning characteristics (per ASTM E84)	Flame spread: 15 Smoke developed: 0	Flame spread: 15 Smoke developed: 0

Notes:

6. Other sizes available by special order. Check with your local USG representative for availability.
7. Represents approximate weight for design and shipping purposes. For specific product weight in your area, contact your local USG representative or call the Customer Service Center at 800 950-3839.

- Comply with ASTM C1396, *Standard Specification for Gypsum Board*
- Classified as a Class A Interior Finish Material per Section 803.1 of the International Building Code® (IBC®)
- UL Classification as to fire resistance, surface-burning characteristics and core combustibility
- Achieved GREENGUARD Gold Certification and qualifies as a low VOC emitting material (meets CA 01350)

SUBMITTAL APPROVALS

Job Name	
Contractor	Date

PRODUCT INFORMATION

See usg.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 call Product Safety: 800 507-8899 or see the SDS at usg.com

KEEP OUT OF REACH OF CHILDREN.

TRADEMARKS

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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.



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