

Sheetrock® Gypsum Panels



Mold Tough™ Regular and Firecode® Cores

Quality interior wall and ceiling panels with moisture and mold resistance

- Score and snap easily; no special handling required
- UL Classified as to fire resistance, surface burning characteristics and noncombustibility
- Install and finish as easily as standard drywall

Description

SHEETROCK® brand MOLD TOUGH™ gypsum panels have a noncombustible, moisture- and mold-resistant gypsum core that is encased in moisture- and mold-resistant, 100 percent recycled green face and brown back papers. The panels feature tapered long edges for easy finishing. The 5/8" FIRECODE® Core and 1/2" FIRECODE C Core panels are UL Classified for fire resistance (Type X).

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. 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.
4. Non-loadbearing.

Finishing and Decorating

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

- SHEETROCK® ready-mixed joint compounds
- SHEETROCK® setting-type joint compounds
- SHEETROCK® joint tape
- SHEETROCK® First Coat primer
- SHEETROCK™ paper-faced metal bead and trim
- SHEETROCK® TUFF-HIDE™ primer-surfacer

Painting products and systems should be used which comply with recommendations and requirements in Appendixes of ASTM C840. For priming and decorating with paint, texture or wall covering, 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 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 Tuff Hide™ primer-surfacer.

Product Data

Size: Panels are 1/2" (12.7 mm) or 5/8" (15.9 mm) thick x 4' (1218 mm) wide and available in 8'-12' (2438-4267 mm) lengths.

Weight: Regular: 1/2" (12.7 mm) – 1.6 lbs/sf; FIRECODE C Core: 1/2" (12.7 mm) – 1.9 lbs/sf; 5/8" (15.9 mm) – 2.2 lbs/sf (11.7 kg/sm)

Labeling: Each 5/8" FIRECODE Core and 1/2" FIRECODE C Core panel bears the Underwriters Laboratories, Inc. label mark as evidence of UL Classifications for fire resistance, surface burning characteristics and noncombustibility.

Test Data**Moisture and Mold Resistance**

Per ASTM C473, the average water absorption for panels is not greater than 5 percent by weight after two-hour immersion.

Although all SHEETROCK MOLD TOUGH gypsum panels have improved moisture and mold resistance over standard gypsum panels by treating the core and surface, independent lab tests conducted on only 5/8" SHEETROCK Firecode MOLD TOUGH gypsum panels and 1/2" SHEETROCK MOLD TOUGH Firecode C Core gypsum panels (Type X) 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 mold performance of building materials in actual use. Given unsuitable project conditions during storage, installation or after completion, any building material can be overwhelmed by mold. To manage the growth of mold, 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	Max. frame spacing o.c.	
		in.	mm			in.	mm
	Single-Layer	1/2	12.7	ceilings	perpendicular	24 ^d	610
parallel ^c					16	406	
5/8		15.9	sidewalls	parallel or perpendicular	24	610	
				parallel ^c	16	406	
Double-Layer	1/2 and 5/8	12.7 and 15.9	ceilings	perpendicular or parallel	24 ^d	610	
				perpendicular	24 ^d	610	
	sidewalls	parallel or perpendicular	24	610			
		perpendicular	24 ^d	610			

(a) 5/8" thickness is recommended for the finest single-layer construction, providing increased resistance to fire and transmission of sound; 1/2" for single-layer application in new residential construction and remodeling. (b) Long edge position relative to framing. (c) Not recommended if water-based texturing material is to be applied. (d) Max. spacing 16" if water-based texturing material is to be applied. (e) Max spacing 16" o.c. if fire rating required.

Compliance

SHEETROCK MOLD TOUGH gypsum panels comply with ASTM C1396.
Per ASTM E136, noncombustible gypsum core.
Per ASTM E84, flame spread is 15; smoke developed is 0.

Submittal Approvals

Job Name		
Contractor		Date

Product Information

See usg.com for the most up-to-date product information.
Note
Products described here may not be available in all geographic markets. Consult your U.S. Gypsum Company sales office or representative for information.

Trademarks

The following trademarks used herein are owned by United States Gypsum Company or a related company: DURABOND, EASY SAND, FIRECODE, MOLD TOUGH, SHEETROCK, TUFF-HIDE, USG.

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.

