USG Interior Panel & Finishing Solutions

USG SHEETROCK® BRAND
GLASS-MAT PANELS
MOLD TOUGH®
REGULAR AND FIRECODE® X

High-performance interior wall panels with moisture and mold resistance
- Suitable for use in pre-dry-in (aka "pre-rock") and similar applications of wallboard before the building envelope is fully enclosed
- For use in interior applications where glass-mat gypsum panels are desired
- Features an inorganic fiberglass face and back
- Can be used in protected exterior soffit applications
- Scores and snaps easily for quick installation
- Installs and finishes similar to standard drywall
- UL Classified as to fire resistance, surface-burning characteristics and noncombustibility

DESCRIPTION

USG Sheetrock® Brand Glass-Mat Panels Mold Tough® are high performance interior panels for new construction or renovation work. The panels have a noncombustible moisture- and mold-resistant core encased in a moisture-resistant fiberglass mat that sheds water and features tapered long edges for easy finishing. The facer mat is colored to match traditional drywall and is engineered to accept the application of USG finishing systems. The back mat features USG's distinctive green color. The 5/8″ Firecode® X is UL Classified for fire resistance and can be used in any UL designs where Type SGX panels are listed.

ADVANTAGES

Mold-Resistant: Scores a 10 (highest) when tested in accordance with ASTM D3273.

Resists Water: Water-resistant gypsum core with water-shedding glass mat on both sides.

Quick Installation: Simple score-and-snap, no sawing or special tools required. Please see J371, "USG Sheetrock® Brand Gypsum Panels Installation Guide," for more information on the installation of gypsum panels.

Warranted Performance: USG Sheetrock® Brand Glass-Mat Panels Mold Tough can be exposed to weather for up to 12 months and are guaranteed for three years against manufacturing defects. See Warranty for details.

LIMITATIONS

1. Avoid exposure to sustained temperatures exceeding 125°F (52°C).
2. Maximum framing spacing is 24″ o.c.
3. Intended for interior applications only and must be kept dry during handling and storage. Please see WB2333, "Storage and Handling," and GA-216 and ASTM C840 for handling and installation guidelines including minimum 1/4″ gap from floor.
4. In pre-rock applications, temporary exposure to conditions such as wind pressure and moisture may influence the selection and spacing of fasteners and/or framing. Please reference WB2665 for more information about pre-dry-in installation of wallboard.
5. USG Sheetrock® Brand Glass-Mat Panels Mold Tough offer resistance to normal weather conditions but are not intended for constant exposure to water. Protect from immersion in water and the eroding effects of cascading water.
6. The building must be dried-in prior to installation in soffits and other horizontal applications.
7. Wall cavities, floor cavities and other enclosed areas must be dry prior to being closed-up and application of interior finishing. Insulation in the wall or floor cavities must be dry.
8. 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. Use as a wall tile substrate is limited to tile installed according to current 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.

USG
IT'S YOUR WORLD. BUILD IT.™

FINISHING AND DECORATING

For high-quality finishing results, USG recommends the following products:
- USG Sheetrock® Brand Ready-Mixed Joint Compounds
- USG Sheetrock® Brand Setting-Type Joint Compounds
- USG Sheetrock® Brand Joint Tape
- USG Sheetrock® Brand First Coat™ Primer
- USG Sheetrock® Brand Tuff-Hide™ Primer-Surfacer

Panels should not be finished until building is completely enclosed. The nature of the texture and absorption properties of the panel will require an additional skim coat of the entire panel surface with joint compound in most applications. Additionally, an aesthetic benchmark or mock-up is recommended for establishing and demonstrating an approved finishing system to coordinate the expectations of the design professionals with those of the contracted workforce. The finished appearance of the constructed standard should be approved in advance of any widespread work. Please reference "USG Sheetrock® Brand Glass-Mat Panels Finishing Guide" (WB2646) for more information.

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.

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.

PRODUCT DATA

Labeling: Each 5/8″ Firecode X panel bears the Underwriters Laboratories, Inc. label mark as evidence of UL Classifications for fire resistance, surface-burning characteristics and noncombustibility.

Properties	Regular	Firecode X
Thickness, in. (mm)	1/2″ (12.7)	5/8″ (15.9)
Lengths and widths[1], ft. (mm)	8 - 12 (2,438-3,658)	8 - 12 (2,438-3,658)
Weight[2], nominal, lbs./sq. ft., (Kg /m²)	2.0 (9.8)	2.4 (11.7)
Linear expansion with moisture change, in/in %RH (mm/mm %RH)	6.25×10^{-6}	6.25×10^{-6}
Coefficient of thermal expansion, in/in/°F (mm/mm/°C)	8.5×10^{-6} (15.3×10^{-6})	8.5×10^{-6} (15.3×10^{-6})
Flexural strength, parallel, lbf. (N)	>80 (356)	>100 (444)
Flexural strength, perpendicular, lbf. (N)	>100 (444)	>177 (786)
R Value[2], ft²-°F·hr/BTU (m²·K/ W)	0.5	0.5
Combustibility	Noncombustible	Noncombustible
Nail pull resistance, lbf. 3, 4 (N)	>80 (356)	90 (400)
Hardness core, edges and ends, lbf. (N)	>15 (67)	>15 (67)
Water absorption (% of weight)	<5	<5
Surface water absorption	<1.6 grams	<1.6 grams
Surface-burning characteristics (per ASTM E 84 or CAN/ULC-S102): flame spread/smoke developed	0/0	0/0
Humidified deflection	<1/4″ (6.4mm)	<1/8″ (3mm)
Bending radius	8 ft	8 ft

1. Other sizes available by special order. Check with your local USG representative for availability.
2. 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.

TEST DATA

Moisture and Mold Resistance: USG Sheetrock® Brand Glass-Mat Panels Mold Tough resist moisture and mold and comply with ASTM C1658 section 7.1.4 for water resistance. Per ASTM C473, the average water absorption for panels is not greater than 5 percent by weight after two-hour immersion. In independent lab tests conducted on 5/8″ USG Sheetrock® Brand Glass-Mat Panels Mold Tough 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.

COMPLIANCE

- USG Sheetrock® Brand Glass-Mat Panels Mold Tough comply with ASTM C 1658 section 7 and ASTM C 1177
- Per ASTM E136, noncombustible gypsum core
- Surface-Burning Characteristics per ASTM E84: flame spread is 0, smoke developed is 0
- 5/8″ Firecode X is UL Classified Type SGX
- Qualifies as a low VOC emitting material

SUBMITTAL APPROVALS

Job Name	
Contractor	Date

PRODUCT INFORMATION
See usg.com for the most up-to-date product information.

TRADEMARKS
The trademarks USG, FIRECODE, FIRST COAT, MOLD TOUGH, SHEETROCK, TUFF-HIDE, IT'S YOUR WORLD. BUILD IT., the USG logo, the design elements and colors, and related marks are trademarks of USG Corporation or its affiliates.

NOTE
Products described here may not be available in all geographic markets.

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 protection equipment. Read MSDS and literature before specification and installation.

USG
IT'S YOUR WORLD. BUILD IT.™