

SHEETROCK® BRAND GLASS-MAT PANELS MOLD TOUGH™



FEATURES & BENEFITS

High-performance Interior Wall Panels with Moisture and Mold Resistance

- Suitable for use in pre-dry-in and similar applications of wallboard before the building envelope is fully enclosed (ie: semi-exposed, or when the facade or roof is not 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 non-combustibility

DESCRIPTION

USG Sheetrock® Brand Glass-Mat Panels Mold Tough™ are high performance interior panels for new construction or renovation work. The panels have a non-combustible 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 15.9mm 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, with no sawing or special tools required. Please see "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 50°C.
2. Maximum framing spacing is 610mm centers.
3. Intended for interior applications only and must be kept dry during handling and storage. Please see "Storage and Handling", and GA-216 and ASTM C840 for handling and installation guidelines, including minimum 6.4mm 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.
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, showers, and gang showers, as well as 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.

FINISHING AND DECORATING

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

- USG Sheetrock® Brand Base Compounds
- USG Sheetrock® Brand Setting-Type Joint Compounds
- USG Sheetrock® Brand Joint Tape
- 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 on 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.

Painting products and systems used should 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 an undiluted interior latex flat paint with high-solids content. Allow to dry before decorating.

PRODUCT DATA

	Regular
Thickness	12.7 mm
Lengths ¹ and Width	1220x2440 mm
Weight ² , nominal	9.8 kg/m ²
Linear expansion with moisture change, in mm/ mm %RH	6.25 x 10 ⁻⁶
Coefficient of thermal expansion, (mm/°C)	15.3 x 10 ⁻⁶
Flexural strength, parallel, lbf. (N)	>80 (356)
Flexural strength, perpendicular, lbf. (N)	>100 (444)
R Value ² , ft ² ·°F·hr/BTU (m ² ·K /W)	0.5
Combustibility	Non-combustible
Nail pull resistance, lbf. 3, 4 (N)	>80 (356)
Hardness core, edges and ends, lbf. (N)	>15 (67)
Water absorption (% of weight)	<5
Surface water absorption	<1.6 grams
Surface burning characteristics (per ASTM E 84 or CAN/ULC-S102): flame spread/smoke developed	0/0
Humidified deflection, mm	<6.4
Bending radius, mm	2440

Notes:

1. Other sizes available by special order.
2. Represents approximate weight for design and shipping purposes.

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 a two-hour immersion. In independent lab tests conducted on 15.9mm 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, non-combustible gypsum core
- Surface burning characteristics per ASTM E84: flame spread is 0, smoke developed is 0
- Qualifies as a low VOC-emitting material

Notice:

As we are involved in constant products development; this document information is subject to change without prior notice. Please always refer to usgme.com for the updated products information document.

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