USG SHEETROCK® BRAND
ULTRALIGHT PANELS
MOLD TOUGH®

Lightweight 1/2 in. (12.7 mm) moisture- and mold-resistant wall and ceiling panels
- The industry’s first lightweight 1/2 in. (12.7 mm) moisture- and mold-resistant gypsum panels
- Feature a noncombustible, moisture-resistant gypsum core that is encased in 100% recycled moisture- and mold-resistant green face and brown back papers
- Superior score and snap for cleaner edge and faster installation
- Achieved GREENGUARD Gold Certification and qualifies as a low VOC emitting material (meets CA 01350)
- Comply with ASTM C1396, Standard Specification for Gypsum Board, for 1/2 in. (12.7 mm) water-resistant gypsum wallboard and 1/2 in. (12.7 mm) exterior gypsum soffit board

USG Sheetrock® Brand UltraLight Panels Mold Tough® are lightweight 1/2 in. (12.7 mm) panels with a high strength-to-weight ratio composite design. These panels feature a noncombustible, moisture-resistant core that is encased in 100% recycled moisture- and mold-resistant green face and brown back papers. When tested in accordance with ASTM D3273, Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber, the panels meet or exceed ASTM C1396 specifications. The green 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 panels are tapered, allowing joints to be reinforced and concealed with USG Sheetrock® Brand joint treatment systems.

- Areas where moisture and mold resistance is desired
- Non-fire-rated single-layer wall and ceiling applications
- New or repair and remodel construction
- Wood or steel framing
- Interior tile substrate in dry locations or areas with limited water exposure
- Protected exterior soffit and ceiling applications

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. Must be stored off the ground and under cover in accordance with Gypsum Association’s GA-801, Handling and Storage of Gypsum Panel Products.
4. 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.
5. Use as a tile substrate is limited to tile installed according to the most 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.
6. Not recommended for exterior soffits and ceilings which project upwards and away from the building proper.
For maximum framing spacing in non-fire-resistance-rated applications of gypsum panel products, refer to Gypsum Association’s GA-216, Specifications for the Application and Finishing of Gypsum Panel Products or ASTM C840, Standard Specification for Application and Finishing of Gypsum Board. For fire-resistance-rated applications, refer to the published UL Design or GA File Number.

### Maximum Framing Spacing for Single-Layer Application

<table>
<thead>
<tr>
<th>Location</th>
<th>Gypsum Panel Thickness</th>
<th>Gypsum Panel Orientation to Framing</th>
<th>Maximum Framing Spacing OC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ceilings</td>
<td>1/2 in. (12.7 mm)</td>
<td>Parallel</td>
<td>16 in. (406 mm)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Perpendicular</td>
<td>24 in. (610 mm)</td>
</tr>
<tr>
<td>Walls</td>
<td>1/2 in. (12.7 mm)</td>
<td>Parallel</td>
<td>24 in. (610 mm)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Perpendicular</td>
<td>24 in. (610 mm)</td>
</tr>
</tbody>
</table>

**Note:**
1. On ceilings to receive water-based texture material, 1/2 in. (12.7 mm) gypsum board shall be applied perpendicular to framing spaced 16 in. (406 mm) OC. See Appendix A.3 of Gypsum Association’s GA-216, Specifications for the Application and Finishing of Gypsum Panel Products for more information.

### Fastener Spacing, Single-Layer Over Wood Framing

<table>
<thead>
<tr>
<th>Fastener Type</th>
<th>Location</th>
<th>Maximum Spacing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nails, 1-1/4 in. (32 mm) annular ring 5d drywall nail complying with ASTM C514</td>
<td>Ceilings</td>
<td>7 in. (178 mm)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Walls</td>
</tr>
<tr>
<td>Screws, 1-1/4 in. (32 mm) Type W bugle head complying with ASTM C1002</td>
<td>Ceilings</td>
<td>12 in. (305 mm)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Walls</td>
</tr>
<tr>
<td>Screws (same as above)</td>
<td>RC-1, ceilings or walls</td>
<td>12 in. (305 mm)</td>
</tr>
<tr>
<td>Adhesive¹ with nails or screws (same as above)</td>
<td>Ceilings, long edges perpendicular to framing members</td>
<td>16 in. (406 mm) at ends, one fastener per framing member at edges, one fastener in center of panel</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Walls, long edges perpendicular to framing members</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Walls, long edges parallel to framing members</td>
</tr>
</tbody>
</table>

**Note:**
2. In order to minimize or eliminate the occurrence of raised protrusions or screw buttons, USG recommends that the installer confirm that the adhesive has fully cured to ensure the adhesive has stopped shrinking and stabilized prior to the finishing of wallboard.

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 GA-214, Recommended Specification for Levels of Gypsum Board Finish 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 critical artificial or natural 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. When a Level 5 finish is required, use USG Sheetrock® Brand Tuff-Hide™ Primer-Surfacer. See USG Sheetrock® Brand Tuff-Hide™ Primer-Surfacer Submittal Sheet (J1613) for limitations and application instructions.
1 in. x 4 in. (25 mm x 102 mm) wood furring may be used in non-fire-rated construction for screw application where support member spacing is 24 in. (610 mm) OC maximum. Furring of 2 in. (51 mm) nominal thickness should be used in non-fire-rated construction for nail application of board or where framing spacing is from 24 in. (610 mm) to 48 in. (1219 mm) OC maximum.

Installation of grillage should be the same as for single-layer drywall application. Refer to USG Drywall Suspension System Brochure (AC3152) or contact the Steel Stud Manufacturers Association for application information.

At the perimeter and vertical penetrations, the exposed core of panels must be covered with a J-stop trim or securely fastened moldings. In areas subject to freezing temperatures and other severe weather conditions, shingled roofs should be installed in accordance with good roofing practices. Fascia boards should extend at least 1/4 in. (6.4 mm) below the ceiling board or adjacent trim moldings, whichever is lower, to provide a drip edge.

Where ceiling board expanse exceeds 4 ft. (1219 mm), a space of at least 1/4 in. (6.4 mm) should be provided between edge of ceiling board and adjacent walls, beams, columns and fascia. This space may be screened or covered with molding, but should not be caulked.

USG Sheetrock® Brand UltraLight Panels Mold Tough®, like other building materials, is subject to structural movement, expansion and contraction due to changes in temperature and humidity. For more information, refer to The USG Gypsum Construction Handbook and/or Gypsum Association’s GA-216, Application and Finishing of Gypsum Panel Products.

 Treat joints with USG Sheetrock® Brand Durabond® or Easy Sand™ Joint Compounds and USG Sheetrock® Brand Fiberglass Joint Tape. These setting-type joint compounds are hardening-type products developed to provide faster finishing of drywall, even under slow drying conditions. Rapid gypsum setting and low shrinkage permit same-day finishing and usually next-day decoration. They also feature exceptional bond; virtually unaffected by humidity extremes.

<table>
<thead>
<tr>
<th>Property</th>
<th>ASTM Test Method</th>
<th>ASTM C1396 Specification 1/2 in. (12.7 mm) Wallboard</th>
<th>USG Sheetrock® Brand UltraLight Panels Mold Tough®</th>
</tr>
</thead>
<tbody>
<tr>
<td>Noncombustibility</td>
<td>E136</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Surface-burning characteristics</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flame Spread</td>
<td>E84</td>
<td>Flame Spread Index, not greater than 25</td>
<td>15</td>
</tr>
<tr>
<td>Smoke Developed</td>
<td>E84</td>
<td>Smoke Developed Index, not greater than 450</td>
<td>0</td>
</tr>
<tr>
<td>Classification</td>
<td>E84</td>
<td>--</td>
<td>Class A</td>
</tr>
<tr>
<td>Core hardness</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Field</td>
<td>C473 (B)</td>
<td>Not less than 11 lb f (49 N)</td>
<td>Meets or exceeds</td>
</tr>
<tr>
<td>End</td>
<td>C473 (B)</td>
<td>Not less than 11 lb f (49 N)</td>
<td>Meets or exceeds</td>
</tr>
<tr>
<td>Edge</td>
<td>C473 (B)</td>
<td>Not less than 11 lb f (49 N)</td>
<td>Meets or exceeds</td>
</tr>
<tr>
<td>Flexural strength</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Parallel</td>
<td>C473 (B)</td>
<td>Not less than 36 lb f (160 N)</td>
<td>Meets or exceeds</td>
</tr>
<tr>
<td>Perpendicular</td>
<td>C473 (B)</td>
<td>Not less than 107 lb f (476 N)</td>
<td>Meets or exceeds</td>
</tr>
<tr>
<td>Humidified deflection</td>
<td>C473</td>
<td>Not greater than 1-1/4 in. (32 mm)</td>
<td>Less than</td>
</tr>
<tr>
<td>Nail pull resistance</td>
<td>C473 (B)</td>
<td>Not less than 77 lb f (343 N)</td>
<td>Meets or exceeds</td>
</tr>
</tbody>
</table>

Per ASTM C473, Test Methods for Physical Testing of Gypsum Panel Products, the average water absorption for USG Sheetrock® Brand UltraLight Panels Mold Tough® is not greater than 5% by weight after two-hour immersion.

In independent lab tests conducted per ASTM D3273 at the time of manufacture, the panels meet or exceed ASTM C1396 specifications.
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.

**Thickness**
1/2 in. (12.7 mm)

**Lengths**
8-12 ft. (2438-3658 mm)

**Widths**
4 ft. (1219 mm)

**Weight**, nominal
1.35 lb./sq. ft. (6.59 kg/sq. m.)

**Edges**
Tapered

**Packaging**
Two panels per bundle

**Notes:**
1. Other sizes available by special order. Check with your local USG representative for availability.
4. 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.

**COMPLIANCE**
- Comply with ASTM C1396 for 1/2 in. (12.7 mm) water-resistant gypsum wallboard and 1/2 in. (12.7 mm) exterior gypsum soffit board
- Classified as a Class A Interior Finish Material per Section 803.1 of the International Building Code® (IBC®)
- Achieved GREENGUARD Gold Certification and qualifies as a low VOC emitting material (meets CA 01350)

**SUBMITTAL APPROVALS**

<table>
<thead>
<tr>
<th>Job Name</th>
<th>Contractor</th>
<th>Date</th>
</tr>
</thead>
</table>

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**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.

800 USG.4YOU
800 (874-4968)
usg.com

Manufactured by:
United States Gypsum Company
550 West Adams Street
Chicago, IL 60661

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