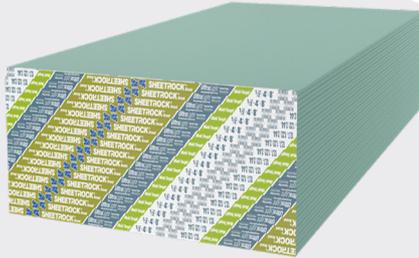


# SHEETROCK® BRAND ULTRALIGHT PANELS MOLD TOUGH®



## FEATURES & BENEFITS

### Ultralightweight 12.7 mm panels with moisture and mold resistance for wall and ceiling applications

- The industry's first lightweight 12.7 mm panels with moisture and mold resistance
- Feature a non-combustible, moisture-resistant gypsum core encased in moisture- and mold resistant, 100% recycled green face and brown back papers
- Superior score and snap for a cleaner edge and faster installation
- Comply with ASTM C1396, Standard Specification for Gypsum Board, for 12.7 mm water resistant gypsum wallboard and 12.7 mm exterior gypsum soffit board
- Underwriters Laboratories Inc. (UL) Classification as to surface-burning characteristics and non-combustibility
- Achieved GREENGUARD Gold Certification and qualifies as a low VOC emitting material (meets CA 01350)

## DESCRIPTION

USG Sheetrock® Brand UltraLight Panels Mold Tough® are lightweight 12.7 mm gypsum panels that feature proprietary core and paper technologies, resulting in a high strength-to-weight ratio composite design. The non-combustible, moisture-resistant gypsum core is encased in moisture and mold-resistant, 100% recycled green face and brown back papers, and the face paper is folded around the long edges to reinforce and protect the core. 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 ends of the panels are cut square and even, while the long edges are tapered, allowing joints to be reinforced and concealed with USG Sheetrock® Brand joint treatment systems.

## INTENDED FOR

- Commercial or residential applications where 12.7 mm panels with moisture and mold resistance are desired
- New or repair and remodel construction
- Non-fire-rated wood- or steel-framed wall and ceiling applications
- 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 50°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. For protected exterior ceiling and soffit applications, the panels must be protected from direct exposure to weather. Refer to the USG Gypsum Construction Handbook for installation recommendations.
5. Not recommended for exterior soffits and ceilings which project upwards and away from the building proper.
6. 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.
7. Use as a tile substrate is limited to tile installed according to the most current TCNA and ANSI specifications. Consult with adhesive and tile manufacturers for recommendations for maximum size and weight parameters for use with gypsum board.

## INTERIOR INSTALLATION

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.

### Maximum Framing Spacing for Single-Layer Application

Location	Panel Thickness	Gypsum Board Orientation to Framing	Maximum Frame Spacing OC
Ceilings <sup>1</sup>	12.7 mm	Parallel	400 mm
		Perpendicular	600 mm
Walls	12.7 mm	Parallel	600 mm
		Perpendicular	600 mm

### Maximum Framing Spacing for Multi-Layer Application Without Adhesive Between Layers

Location	Panel Thickness	Gypsum Board Orientation to Framing	Maximum Frame Spacing OC
Ceilings <sup>1</sup>	12.7 mm	Parallel	400 mm
		Perpendicular	600 mm
Walls	12.7 mm	Parallel	600 mm
		Perpendicular	600 mm

#### Notes:

1. Consult USG Middle East technical team for the framing spacing if fire rating required.

## FINISHING AND DECORATING

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

Fastener Type	Location	Maximum Spacing
<b>Nails, 32 mm annular ring 5d drywall nail complying with ASTM C514, Standard Specification for Nails for the Application of Gypsum Board</b>	Ceilings	180 mm
	Walls	200 mm
<b>Screws, 32 mm Type W bugle head complying with ASTM C1002, Standard Specification for Steel Self-Piercing Tapping Screws for Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs</b>	Ceilings	300 mm
	Walls	400 mm
<b>Screws (same as above)</b>	RC-1, ceilings or walls	300 mm
<b>Adhesive<sup>1</sup> with nails or screws (same as above)</b>	Ceilings, long edges perpendicular to framing members	410 mm at ends, one fastener per framing member at edges, one fastener in center of panel
	Walls, long edges perpendicular to framing members	410 mm at ends, one fastener per framing member at edges, one fastener in center of panel
	Walls, long edges parallel to framing members	410 mm) along edges, one fastener per framing member at ends, one fastener in center of panel

#### Notes:

1. In order to minimize or eliminate the occurrence of raised protrusions or screw buttons, USG recommends the installer confirm that the adhesive has fully cured, has stopped shrinking and has stabilized prior to finishing the panel.

## FINISHING AND DECORATING

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 Levels of Finish for Gypsum Board, Glass Mat and Fiber-Reinforced Gypsum Panels 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 finishing products 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.

## INSTALLATION

Property		ASTM Test Method	Requirement	UL Type ULX
Noncombustibility		E136	Noncombustible	Meets
Surface-burning characteristics	Flame Spread	E84	Flame Spread Index, not greater than 25 <sup>1</sup>	15
	Smoke Developed	E84	-	0
	Class A	E84	Flame spread not greater than 25 and smoke developed not greater than 450	Meets
Core hardness (lbf)	Field	C473 (B)	Not less than 11 lbf	Meets
	End	C473 (B)	Not less than 11 lbf	Meets
	Edge	C473 (B)	Not less than 11 lbf	Meets
Flexural strength (lbf)	Parallel	C473 (B)	Not less than 36 lbf	Meets
	Perpendicular	C473 (B)	Not less than 107 lbf	Meets
Humidified deflection, gypsum wallboard		C473	Not greater than 32 mm <sup>1</sup>	Meets
Nail pull resistance (lbf)		C473 (B)	Not less than 77 lbf	Meets

### Notes:

1. Per ASTM C1396 for 12.7 mm gypsum wallboard and gypsum ceiling board.  
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.

## PRODUCT DATA

	Sheetrock® Brand Ultralight Panels Mold Tough®
Thickness	12.7 mm
Lengths <sup>1</sup>	2440
Width	1220 mm
Weight <sup>2</sup> , nominal	6.59 kg/m <sup>2</sup>
Edges	Tapered
Packaging	Two panels per bundle

### Notes:

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

## COMPLIANCE

- Comply with ASTM C1396 for 12.7 mm water-resistant gypsum wallboard and 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®)
- UL Classification as to surface-burning characteristics and non-combustibility
- Achieved GREENGUARD Gold Certification and qualifies as a low VOC emitting material (meets CA 01350)

### 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](http://usgme.com) for the updated products information document.

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