

SHEETROCK® Brand UltraLight Panels



Lightweight, quality wall and ceiling panels for interior applications

- The lightest 1/2" gypsum wallboard panels available
- Easier to lift, carry and install
- Light weight speeds installation
- ICC Evaluation Service compliant for ceiling installations, ESR-3365

Description

SHEETROCK® Brand UltraLight Panels are re-engineered, lightweight gypsum wallboard panels with a high strength-to-weight ratio composite design. The panels have superior sag resistance that eliminates the need for traditional 1/2" sag-resistant ceiling panels. The noncombustible gypsum core is encased in 100% recycled face and back papers. The natural finish face paper is folded around the long edges to protect the core and the ends are cut square and even. The long edges of the panels are tapered, allowing joints to be reinforced with SHEETROCK® Brand joint treatment systems.

Intended For

Non-fire rated single-layer wall and ceiling applications
New residential or commercial construction
Repair and remodel construction
Parallel or perpendicular installation on ceilings with 24" O.C. framing when water-based texture is applied
Wood or steel framing

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. Non-load bearing.
4. Maximum frame spacing is 24" O.C.
5. Must be stored off of the ground and under cover. Sufficient risers must be used to support the entire length of the gypsum board to prevent sagging.

Finishing and Decorating

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

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

Painting products and systems should be used which 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 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 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 severe artificial or natural side lighting, or 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 SHEETROCK® Brand TUFF-HIDE primer-surfacer.

Test Data

		ASTM Test Method	ASTM C-1396 Specification	
			1/2" wallboard	SHEETROCK® Brand UltraLight Panels
Noncombustibility		E-136	Pass	Pass
Surface Burning Characteristics		E-84	Flame Spread Index, not greater than 25	15
			Smoke Developed Index, not greater than 450	0
Hardness (lbf)	Core	C-473 (B)	Not less than 11	Meets or exceeds
	End	C-473 (B)	Not less than 11	Meets or exceeds
	Edge	C-473 (B)	Not less than 11	Meets or exceeds
Flexural Strength (lbf)	Parallel	C-473 (B)	Not less than 36	Meets or exceeds
	Perpendicular	C-473 (B)	Not less than 107	Meets or exceeds
Humidified Deflection, Gypsum Wallboard (in)		C-473	Not greater than 1 1/4"	Less than
Humidified Deflection, Gypsum Ceiling Board (in)		C-473	Not greater than 5/16"	Less than
Nail Pull Resistance (lbf)		C-473 (B)	Not less than 77	Meets or exceeds

Tested by Progressive Engineering, Inc. Reference PEI report 2008-212A.

Installation

Ceiling Installation, Single Layer

Application method (long edge position relative to framing)	Frame Spacing	Max. Weight of insulation support by drywall	Application method if water-based texture is applied
Perpendicular or parallel	24"	2.2 psf	Perpendicular or parallel

Installed in accordance with ASTM C840

The sag performance for SHEETROCK® Brand UltraLight Panels has been independently verified by Progressive Engineering, Inc. when tested in accordance with ICC-ES AC417, *Acceptance Criteria for 1/2-Inch Sag-Resistant gypsum Ceiling Board*, and PEI Standard No. 94-9, *Large Scale Ceiling Board Load Test Procedure*. Parallel installation compliance under **ICC ESR-3365**.

Fastener Spacing, Single Layer Over Wood Framing

Fastener Type	Location	Maximum Spacing	
		in	mm
Nails, 1 1/4" annular ring 5d drywall nail complying with ASTM C514	Ceilings	7	178
	Sidewalls	8	203
Screws, 1 1/4" Type W bugle head complying with ASTM C1002	Ceilings	12	305
	Sidewalls	16	406
Screws (same as above)	RC-1 Channels, ceilings or sidewalls	12	305
Adhesive with nails or screws same as above	Ceilings, long edges perpendicular to framing members	16" or 406 mm at ends, 1 fastener per framing member at edges, 1 fastener in center of panel	
	Sidewalls, long edges perpendicular to framing members	16" or 406 mm at ends, 1 fastener per framing member at edges, 1 fastener in center of panel	
	Sidewalls, long edges parallel to framing members	16" or 406 mm along edges, 1 fastener per framing member at ends, 1 fastener in center of panel	

Product Data

Thickness	1/2"
Lengths and Widths¹	48" wide – 8', 9', 10', 12', 14', 16' 54" wide – 12', 14'
Weight²	1.25 lb./sq. ft.
Edges	Tapered or SW (Smooth Wall)
Packaging	2 panels per bundle
Thermal Resistance "R"	0.45 °F x ft ² x h/Btu (0.08 K x m ² /W)
Hygrometric Coefficient of Expansion: Unrestrained: 10–90% r.h.	7.2 x 10 ⁻⁶ in./in./% r.h. (7.2 x 10 ⁻⁶ mm/mm/% r.h.) (7.2 μm/m/% r.h.)
Thermal Coefficient of Expansion: Unrestrained: 40–100 °F (4–38 °C)	9.0 x 10 ⁻⁶ in./in./°F (16.2 x 10 ⁻⁶ mm/mm/°C) (16.2 μm/m/°C)

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

Compliance

Meets or exceeds ASTM C-1396 specifications for 1/2" gypsum wallboard and 1/2" gypsum ceiling board. Complies with the requirements of the International Building Code and International Residential Code as both regular wallboard and ceiling board.
Class A Surface Burning Characteristics, as defined in IBC Section 803.1.
ICC ESR-3365.
Qualifies as a low VOC emitting material (meets CA 01350)

Submittal Approvals:

Job Name	
Contractor	Date

Product Information
See usg.com for the most up-to-date product information.

Trademarks
The following trademarks used herein are owned by USG Corporation or its subsidiaries: SHEETROCK, TUFF-HIDE, USG. UL Environment, "Environmental Claims Validation" logo is a trademark of Underwriters Laboratories Inc.

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.

