

# USG SHEETROCK® BRAND GYPSUM PANELS



## 1/4 in. (6.4 mm) and 3/8 in. (9.5 mm) panels for interior wall and ceiling applications

- 1/4 in. (6.4 mm) panels are recommended as an additional layer for improving sound control in double-layer wood- or steel-framed partitions, and as a face layer for use over old wall and ceiling surfaces
- 3/8 in. (9.5 mm) panels are recommended in single- or double-layer wood- or steel-framed wall and ceilings, as an additional layer for improving sound control, and as a face layer for use over old wall and ceiling surfaces
- Comply with ASTM C1396, *Standard Specification for Gypsum Board*, for 1/4 in. (6.4 mm) and 3/8 in. (9.5 mm) gypsum wallboard
- Underwriters Laboratories Inc. (UL) Classification as to surface-burning characteristics and noncombustibility
- Achieved GREENGUARD Gold Certification and qualifies as a low VOC emitting material (meets CA 01350)

## DESCRIPTION

Available in 1/4 in. (6.4 mm) and 3/8 in. (9.5 mm) thicknesses, USG Sheetrock® Brand Gypsum Panels feature a noncombustible gypsum core that is encased in 100% recycled face and back papers that form a high strength composite design. The 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 the panels are tapered, allowing joints to be reinforced and concealed with USG Sheetrock® Brand joint treatment systems.

## INTENDED FOR

- Commercial or residential applications where 1/4 in. (6.4 mm) or 3/8 in. (9.5 mm) panels are desired
- New or repair and remodel construction
- Wood- or steel-framed wall and ceiling applications
- 1/4 in. (6.4 mm) panels are recommended as an additional layer for improving sound control in double-layer wood- or steel-framed partitions, and as a face layer for use over old wall and ceiling surfaces
- 3/8 in. (9.5 mm) panels are recommended in single- or double-layer wood- or steel-framed wall and ceilings, as an additional layer for improving sound control, and as a face layer for use over old wall and ceiling surfaces

## 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*.

## INTERIOR INSTALLATION, FINISHING AND DECORATING 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*. For fire-resistance-rated applications, refer to the published UL Design or GA File Number. For installation recommendations for curved surfaces, refer to Gypsum Association's GA-226, *Application of Gypsum Board to Form Curved Surface*.

### Maximum Framing Spacing for Single-Layer Application

Location	Gypsum Panel Thickness	Gypsum Panel Orientation to Framing	Maximum Framing Spacing OC
Ceilings	1/4 in. (6.4 mm)	Parallel	Not recommended
		Perpendicular	Not recommended
	3/8 in. (9.5 mm) <sup>1,2</sup>	Parallel	Not recommended
		Perpendicular	16 in. (406 mm)
Walls	1/4 in. (6.4 mm)	Parallel	Not recommended
		Perpendicular	Not recommended
	3/8 in. (9.5 mm)	Parallel	16 in. (406 mm)
		Perpendicular	16 in. (406 mm)

**INTERIOR INSTALLATION,  
FINISHING AND DECORATING, CONT.**  
INSTALLATION

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

Location	Gypsum Panel Thickness	Gypsum Panel Orientation to Framing	Maximum Framing Spacing OC
Ceilings	1/4 in. (6.4 mm) <sup>3,4</sup>	Parallel	Not recommended
		Perpendicular	16 in. (406 mm)
	3/8 in. (9.5 mm) <sup>1,4</sup>	Parallel	Not recommended
		Perpendicular	16 in. (406 mm)
Walls	1/4 in. (6.4 mm)	Parallel	16 in. (406 mm)
		Perpendicular	16 in. (406 mm)
	3/8 in. (9.5 mm)	Parallel	16 in. (406 mm)
		Perpendicular	16 in. (406 mm)

**Notes:**

1. On ceilings to receive water-based texture material, panel thickness shall be increased from 3/8 in. (9.5 mm) to 1/2 in. (12.7 mm) for 16 in. (406 mm) OC framing spacing. See Appendix A.3 of Gypsum Association's GA-216, *Specifications for the Application and Finishing of Gypsum Panel Products* for more information.
2. 3/8 in. (9.5 mm) gypsum wallboard shall not be applied to ceilings where the gypsum board supports thermal insulation.
3. 1/4 in. (6.4 mm) panels are not recommended on ceilings to receive water-based texture material.
4. For double-layer ceilings, adhesive must be used to laminate 1/4 in. (6.4 mm) and 3/8 in. (9.5 mm) gypsum wallboard.

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 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.

For more information, refer to USG literature *Finishing & Decorating Gypsum Panels White Paper* (J2010).

**TEST DATA**  
1/4 IN. (6.4 MM)

Property		ASTM Test Method	Requirement	USG Sheetrock® Brand Gypsum Panels
<b>Noncombustibility</b>		E136	Noncombustible	Meets
<b>Surface-burning characteristics</b>	Flame spread	E84	Flame Spread Index, not greater than 25 <sup>5</sup>	15
	Smoke developed	E84	—	0
	Class A	E84	Flame spread not greater than 25 and smoke developed not greater than 450	Meets
<b>Core hardness</b>	Field	C473 (B)	Not less than 11 lbf (49 N) <sup>5</sup>	Meets
	End	C473 (B)	Not less than 11 lbf (49 N) <sup>5</sup>	Meets
	Edge	C473 (B)	Not less than 11 lbf (49 N) <sup>5</sup>	Meets
<b>Flexural strength</b>	Parallel	C473 (B)	Not less than 16 lbf (71 N) <sup>5</sup>	Meets
	Perpendicular	C473 (B)	Not less than 46 lbf (205 N) <sup>5</sup>	Meets
<b>Humidified deflection</b>		C473	Not required <sup>5</sup>	Meets
<b>Nail pull resistance</b>		C473 (B)	Not less than 36 lbf (160 N) <sup>5</sup>	Meets

**Note:**

5. Per ASTM C1396 for 1/4 in. (6.4 mm) gypsum wallboard.

**TEST DATA, CONT.**  
3/8 IN. (9.5 MM)

Property		ASTM Test Method	Requirement	USG Sheetrock® Brand Gypsum Panels
<b>Noncombustibility</b>		E136	Noncombustible	Meets
<b>Surface-burning characteristics</b>	Flame spread	E84	Flame Spread Index, not greater than 25 <sup>6</sup>	15
	Smoke developed	E84	—	0
	Class A	E84	Flame spread not greater than 25 and smoke developed not greater than 450	Meets
<b>Core hardness</b>	Field	C473 (B)	Not less than 11 lbf (49 N) <sup>6</sup>	Meets
	End	C473 (B)	Not less than 11 lbf (49 N) <sup>6</sup>	Meets
	Edge	C473 (B)	Not less than 11 lbf (49 N) <sup>6</sup>	Meets
<b>Flexural strength</b>	Parallel	C473 (B)	Not less than 26 lbf (116 N) <sup>6</sup>	Meets
	Perpendicular	C473 (B)	Not less than 77 lbf (343 N) <sup>6</sup>	Meets
<b>Humidified deflection</b>		C473	Not greater than 1-7/8 in. (48 mm) <sup>6</sup>	Meets
<b>Nail pull resistance</b>		C473 (B)	Not less than 56 lbf (249 N) <sup>6</sup>	Meets

**Note:**

6. Per ASTM C1396 for 3/8 in. (9.5 mm) gypsum wallboard.

**PRODUCT DATA**

<b>Thickness</b>	1/4 in. (6.4 mm)	3/8 in. (9.5 mm)
<b>Lengths<sup>7</sup></b>	8-16 ft. (2438-4877 mm)	8-16 ft. (2438-4877 mm)
<b>Width</b>	4 ft. (1219 mm)	4 ft. (1219 mm)
<b>Weight<sup>8</sup>, nominal</b>	1.2 lb./sq. ft. (5.9 kg/sq. m.)	1.4 lb./sq. ft. (6.8 kg/sq. m.)
<b>Edges</b>	Tapered	Tapered
<b>Packaging</b>	Two panels per bundle	Two panels per bundle

**Notes:**

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

8. 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 1/4 in. (6.4 mm) and 3/8 in. (9.5 mm) gypsum wallboard
- 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 noncombustibility
- Achieved GREENGUARD Gold Certification and qualifies as a low VOC emitting material (meets CA 01350)

**SUBMITTAL APPROVALS**

<b>Job Name</b>	
<b>Contractor</b>	<b>Date</b>

**PRODUCT INFORMATION**

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

GREENGUARD Certified products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg.

**CAUTION**

Dust may cause irritation to eyes, skin, nose, throat and upper respiratory tract. Cut and trim with a utility knife or hand saw to minimize dust levels. Power tools must be equipped with a dust collection system. Wear eye, skin and respiratory protection if necessary. If eye contact occurs, flush thoroughly with water for 15 minutes. If irritation persists, call a physician. Do not swallow. If swallowed, call a physician. For more information call Product Safety: 800 507-8899 or see the SDS at usg.com.

**KEEP OUT OF REACH OF CHILDREN**

**TRADEMARKS**

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**NOTE**

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**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 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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