

# SHEETROCK® Gypsum Panels

**SHEETROCK** Gypsum Panel  
SW Edge

## SW Edge

### Exclusive tapered and rounded edge for smooth walls, stronger joints

- Highest quality drywall.
- Compensates for minor irregularities.
- Reduces callbacks.
- Fire- and sound-rated systems available.

### Description

SHEETROCK® brand Gypsum Panels, SW Edge, have a special tapered and rounded edge design to help minimize ridging or beading, but otherwise perform identically to SHEETROCK® brand Regular Gypsum Panels. This edge design helps to compensate for the effects of slight panel or stud misalignments, joint imperfections, and damaged board edges.

Although panel application and joint taping are conventional, joint prefilling—with SHEETROCK® Setting-Type (DURABOND®) or Lightweight Setting-Type (EASY SAND™) Joint Compound—provides a superior result with the strongest, smoothest drywall joint ever developed.

SHEETROCK Setting Type (DURABOND) and Lightweight Setting-Type (EASY SAND) Joint Compounds (both part of the wide range of joint treatment products available from U.S. Gypsum) harden chemically, producing exceptional bond and minimal shrinkage. With the SW edge contour, no more joint compound is required than with conventional edges.

Introduced some years ago in order to overcome the major industry problem of “joint ridging” or “beading,” SW edge panels have been in demand by a loyal following of contractors ever since. SHEETROCK brand Gypsum Panels, SW Edge, are available in 1/2” and 5/8” thicknesses for single- and double-layer wall and ceiling applications.

### Advantages

**Smother Walls.** The SW edge design makes smooth walls possible every time, because it compensates for temperature/humidity conditions that cause “ridging” or “beading” and also for joint deformation resulting from framing imperfections. Ridges do not occur either during application or later.

**Stronger Joints.** Joints stay smooth because they are prefilled with SHEETROCK Setting-Type (DURABOND) or Lightweight Setting-Type (EASY SAND) Joint Compound, which hardens chemically into an exceptionally well bonded joint. Shrinkage is virtually eliminated.

**Fewer Callbacks.** The real problem in “ridging” or “beading” is that it often occurs long after the job is finished, necessitating one or more callbacks. The SW edge minimizes ridging. The smooth joints made possible by SW edges make superior finishing easier to accomplish.

### Limitations

1. Not recommended for use where exposure to moisture is extreme and continuous.
2. In order to attain fire-resistance ratings, the construction of partition and/or floor-ceiling assemblies must conform to the designs shown in the test report.
3. To prevent objectionable sag in ceilings, weight of overlaid unsupported insulation should not exceed 1.3 lb./ft.<sup>2</sup> for 1/2-inch thick panels with frame spacing 24 in. o.c.; 2.2 lb./ft.<sup>2</sup> for 1/2-inch panels with frame spacing 16 in. o.c. or 5/8-inch panels with frame spacing 24 in. o.c. A vapor barrier should be installed in exterior ceilings, and plenum or attic space should be properly vented.
4. Maximum spacing for frame members for single-layer, new, wood-frame construction is shown in the following table.

Thickness <sup>(1)</sup>	Location	Application Method <sup>(2)</sup>	Max. frame spacing, o.c.	
			in.	mm
1/2” (12.7 mm)	ceilings	parallel <sup>(3)</sup> perpendicular	16 24 <sup>(4)</sup>	406 610
	walls	parallel or perpendicular	24	610
5/8” (15.9 mm)	ceilings	parallel <sup>(3)</sup> perpendicular	16 24	406 610
	walls	parallel or perpendicular	24	610

(1) Panel of 5/8” thickness is recommended for the finest single-layer construction, providing increased resistance to fire and transmission of sound; 1/2” for single-layer application in new residential construction and remodeling. (2) Long edge position relative to framing. (3) Not recommended if water-based texturing material is to be applied. (4) Max. spacing 16” if water-based texturing material is to be applied.

**Directions**

**WARNING:** Store all SHEETROCK brand Gypsum Panels flat. Panels are heavy and can fall over, causing serious injury or death. Do not move unless authorized.

**Environmental Conditions**

In cold weather and during gypsum panel application and joint finishing, temperatures within the building shall be maintained within the range of 55 to 70 °F. Adequate ventilation shall be provided to carry off excess moisture.

**Panel Application**

Position all ends and edges of gypsum panels over framing members, except when joints are at right angles to framing members, as in perpendicular application.

Apply SHEETROCK brand Gypsum Panels, SW Edge, first to the ceiling and then to the walls. Extend ceiling board into corners and make firm contact with top plate. To minimize end joints, use panels of maximum practical lengths. Fit ends and edges closely, but not forced together. Stagger end joints in successive courses with joints on opposite sides of partition placed on different studs.

Attach panels to framing supports by standard single- or double-nailing method, screws, or adhesive. Space fasteners not less than 3/8" from edges and ends of panels and drive as recommended for specified fastening method. Drive fasteners in field of panels first, working toward ends and edges. Hold panel in firm contact with framing while driving fasteners. Drive fastener heads slightly below surface of gypsum panels in a uniform dimple without breaking face paper.

Install trim at all internal and external angles formed by the intersection of gypsum panel to other surfaces. Apply corner bead to all vertical or horizontal external corners in accordance with manufacturer's directions.

Prefill with SHEETROCK Setting-Type (DURABOND 45 or 90) or Lightweight Setting-Type (EASY SAND 45 or 90) Joint Compound all grooves formed by rounded SW edge.

After compound dries, treat joints with SHEETROCK Joint Tape and joint compound according to standard procedures. Treat fasteners according to standard procedures as well.

**Product Data**

**Panel Availability**

Thickness		Core Type			Foil Back	Lengths				
in.	mm	Reg. <sup>(2)</sup>	FC <sup>(3)</sup>	FC C <sup>(4)</sup>		8'	9'	10'	12'	14'
						(2.4 m)	(2.7 m)	(3.0 m)	(3.7 m)	(4.3 m)
1/2	12.7	X		X	X	X	X	X	X	X
5/8	15.9	X	X	X	X	X	X	X	X	X

(1) All panels 4 ft. wide. (2) Regular. (3) FIRECODE®. (4) FIRECODE C.

**Weights (approximate)**

Thickness		Regular Core		FIRECODE Core FIRECODE C Core	
in.	mm	lb./1000 ft. <sup>2</sup>	kg/100 m <sup>2</sup>	lb./1000 ft. <sup>2</sup>	kg/100 m <sup>2</sup>
1/2	12.7	1,760	860	1,990	970
5/8	15.9	2,310	1,130	2,420	1,180

**Compliance with Standards:** ASTM C36 and C1396.

**Thermal Coefficient of Expansion (Unrestrained):** 9.0 x 10<sup>-6</sup> in. per in. per °F (40-100 °F); 16.2 mm per °C (4.5-37.8 °C)

**Hygrometric Coefficient of Expansion (Unrestrained):** 7.2 x 10<sup>-6</sup> in. per in. per % r.h. (5-90% r.h.); 5.4 mm per km (5-90% r.h.)

**Fire Hazard Classification:** Flame spread 15, smoke developed 0.

**Packaging:** 2 panels per bundle.

**Submittal Approvals:**

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

**Trademarks**

The following trademarks used herein are owned by United States Gypsum Company: DURABOND, EASY SAND, FIRECODE, SHEETROCK.

**Note**

Products described here may not be available in all geographic markets. Consult your U.S. Gypsum Company sales office or representative for information.

**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 material safety data sheets and related literature on products before specification and/or installation.



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