

# SHEETROCK® brand Exterior Gypsum Ceiling Board

**For sheltered exterior ceiling areas**



- Economical.
- Attractive.
- Fire-resistant.
- Sag- and warp-resistant.

**Description** SHEETROCK® brand Exterior Gypsum Ceiling Board is an ideal surface material for sheltered exterior ceiling areas. Weather- and sag-resistant, it embodies a specially treated gypsum core encased in chemically treated water-repellent paper. Commercial uses include large canopies and covered walkways, malls, and parking areas. Residential uses include open porches, breezeways, carports, and exterior soffits. The board can be applied directly to wood framing or to cross-furring of wood or metal furring channels attached to main supports.

<b>Advantages</b>	<b>Low In-Place Cost</b>	With SHEETROCK brand Exterior Gypsum Ceiling Board, in-place cost is lower than that of exterior grade plywood, laminated fiberboard, or portland cement plaster. An independent survey <sup>1</sup> documented large savings on both material and labor when compared to cement plaster soffits. Actual installed cost for SHEETROCK® brand Exterior Gypsum Ceiling Board is about one-third that for portland cement plaster.
	<b>Sag- and Warp-Resistant</b>	SHEETROCK® brand Exterior Gypsum Ceiling Board offers strong sag resistance even after repeated wet-dry cycles. Its gypsum core contains special additives to resist sagging, while the sturdy face and back paper are water repellent.
	<b>Quick, Dry Installation</b>	SHEETROCK® brand Exterior Gypsum Ceiling Board offers the speed and economy of regular drywall construction: quick score-and-snap cutting; no sawing or special tools; rapid screw or nail attachment; openings simply made where and when required, during or after application; furring and trim common to conventional construction; and fire-resistant materials.
	<b>Strong, Smooth Joints</b>	Special eased edges minimize ridging and beading for smooth, sturdy joints and an attractive, easy-to-maintain surface. Chemically hardening SHEETROCK® Setting-Type (DURABOND®) or Lightweight Setting-Type (EASY SAND™) Joint Compounds are required for this exterior application. As an alternative, wood battens may be used to cover joints.
	<b>Fire-Resistant</b>	A noncombustible gypsum core adds fire safety to every installation. Ceiling assemblies qualify for 1- and 2-hour fire ratings. 5/8-inch SHEETROCK brand Exterior Gypsum Ceiling Board, FIRECODE® Core, may be substituted for 5/8" SHEETROCK® brand Gypsum Panels, FIRECODE Core, in roof/ceiling and floor/ceiling rated fire-resistant assemblies.
	<b>Easily Decorated</b>	Accepts primer and paint with uniform suction—no bond failure, blistering, or peeling. Grain-free, splinter-free surfaces stay attractively smooth. Available in 1/2-inch and 5/8-inch thicknesses for standard construction uses.

<sup>1</sup> Building Construction Cost Data, Robert Snow Means Co.

**Limitations**

1. Must be protected from direct exposure to weather.
2. To attain fire-resistance ratings, construction of ceiling assemblies must conform to design details as specified by testing agency.
3. Maximum spacing of frame members is 24" o.c.
4. Assemblies are not recommended for exterior soffits and ceilings which project upwards and away from the building proper.

**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.

**Wood Framing** 1 x 4 wood furring may be used for screw application where support member spacing is 24" o.c. max. Furring of 2" nom. thickness should be used for nail application of board or where framing spacing is from 24" to 48" o.c. max.

**Steel Framing** Installation of grillage should be the same as for single-layer application—(see SA923 for application information).



<b>Ventilation</b>	Where the area above the ceiling board opens to an attic space above habitable rooms, the space should be vented to the outside in accordance with local building codes. Where the ceiling board is applied directly to rafters or to roof-ceiling joists (as in flat roof construction) that extend beyond habitable rooms, vents are required at each end of each rafter or joist space. Vents should be screened and be a minimum of 2" wide x full length between rafters (or joists). Vents should be attached through board to min. 1" x 2" backing strips installed prior to board application. Vent openings should be framed and located within 6" of outer edge of eave.		
<b>Weather Protection</b>	At the perimeter and vertical penetrations, the exposed core of panels must be covered with SHEETROCK® No. 401/402 Metal 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" below the ceiling board or adjacent trim moldings, whichever is lower, to provide a drip edge.		
<b>Intersections</b>	Where ceiling board expanse exceeds 4 ft., a space of at least 1/4" 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.		
<b>Control Joints</b>	SHEETROCK brand Exterior Gypsum Ceiling Board, like other building materials, is subject to structural movement, expansion, and contraction due to changes in temperature and humidity. Install a SHEETROCK® Zinc Control Joint No. 093 or a control joint consisting of two pieces of SHEETROCK No. 401/402 Metal Trim back-to-back in ceiling board where expansion or control joints occur in the exterior wall or roof. Where aluminum H-moldings are used, they will serve as control joints provided the board is not tightly inserted.		
<b>Joint Treatment</b>	SHEETROCK Setting-Type (DURABOND) and Lightweight Setting-Type (EASY SAND) Joint Compounds are hardening-type products developed to provide faster finishing of drywall, even under slow drying conditions. Rapid chemical hardening and low shrinkage permit same-day finishing and usually next-day decoration. Features exceptional bond; virtually unaffected by humidity extremes.		
<b>Product Data</b>	<b>Width:</b>	4 ft.	
	<b>Lengths:</b>	8 and 12 ft.	
	<b>Thicknesses:</b>	1/2" regular, 5/8" FIRECODE Core.	
	<b>Edges:</b>	Eased.	
	<b>Weights:</b>	1/2" regular core, 1.9 lb./ft. <sup>2</sup> (9.3 kg/m <sup>2</sup> ); 5/8" FIRECODE Core, 2.4 lb./ft. <sup>2</sup> (11.7 kg/m <sup>2</sup> ).	
	<b>Compliance with Standards:</b>	ASTM C931.	
	<b>Thermal Coefficient of Expansion (Unrestrained):</b>	9.0 x 10 <sup>-6</sup> in./in. /°F (40-100 °F); 16.2 x 10 <sup>-6</sup> mm/mm/°C (4.5-37.8 °C).	
	<b>Hygrometric Coefficient of Expansion (Unrestrained):</b>	7.2 x 10 <sup>-6</sup> in./in./% r.h. (5-90% r.h.); (7.2 x 10 <sup>-6</sup> mm/mm/%r.h.) (7.2 µm/m x % r.h.).	
	<b>Surface Burning Characteristics:</b>	Flame spread 20, smoke developed 0.	
	<b>Packaging:</b>	2 panels per bundle.	
<b>Submittal Approvals:</b>	<b>Job Name</b>		
	<b>Contractor</b>	<b>Date</b>	
	<b>Trademarks:</b>	<b>Notice:</b>	<b>SAFETY FIRST!</b>
	The following trademarks used herein are owned by United States Gypsum Company: DURABOND, EASY SAND, FIRECODE, SHEETROCK.	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.	Follow good safety and industrial hygiene practices during handling and installing 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.
	<b>Note:</b>		
	Products described here may not be available in all geographic markets. Consult your U.S. Gypsum Company sales office or representative for information.		