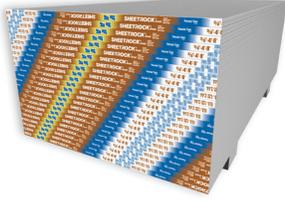# Sheetrock® Exterior Gypsum Ceiling Board

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.

With SHEETROCK exterior gypsum ceiling board, in-place cost is lower than that of exterior grade plywood, laminated fiberboard, or portland cement plaster. An independent survey (Building Construction Cost Data, Robert Snow Means Co.) documented large savings on both material and labor when compared to cement plaster soffits. Actual installed cost of SHEETROCK exterior gypsum ceiling board is about one-third that of portland cement plaster.

SHEETROCK exterior gypsum ceiling board offers the speed and economy of regular drywall construction with 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.

Special eased edges minimize ridging and beading for smooth, sturdy joints and an attractive, easy-to-maintain surface. Chemically hardening SHEETROCK® DURABOND® setting-type joint compound or SHEETROCK® EASY SAND™ lightweight setting-type joint compound are required for this exterior application. As an alternative, wood battens may be used to cover joints.

SHEETROCK exterior ceiling board is acceptable as a noncombustible material as defined in the 2006 *International Building Code* (IBC) under **Par. 703.4.2**. Furthermore, 5/8″ SHEETROCK exterior ceiling board exceeds the requirements set forth in the Standard ASTM C1396 as a "Type X" gypsum board and is classified by Underwriters Laboratories Inc. (UL) for use in several 1- and 2-hr floor-ceiling and roof-ceiling designs. Please refer to the UL Fire Resistance Directory for the proper applications.

SHEETROCK exterior gypsum ceiling board accepts primer and paint with uniform suction—no bond failure, blistering, or peeling. Grain-free, splinter-free surfaces stay attractively smooth. SHEETROCK exterior gypsum ceiling board is available in 1/2″ and 5/8″ thicknesses for standard construction uses.

Limitations

1. Do not expose directly 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 framing members is 24″ o.c.
4. Not recommended for exterior soffits and ceilings which project upwards and away from the building proper.

Installation

WARNING: Store all SHEETROCK 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 in non fire-rated construction for screw application where support member spacing is 24″ o.c. max. Furring of 2″ nom. thickness should be used in non fire-rated construction 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 drywall application (see *USG Drywall Suspension System* brochure (AC3152) or contact Steel Stud Manufacturers Association for application information).

USG

Weather Protection	At the perimeter and vertical penetrations, the exposed core of panels must be covered with a J-stop 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.
Intersections	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.
Control Joints	SHEETROCK 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 093 Zinc Control Joint or a control joint consisting of two pieces of J-stop 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.
Joint Treatment	DURABOND setting-type and EASY SAND lightweight setting-type 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.

Product Data

Width: 4 ft.

Lengths: 8 and 12 ft.

Thicknesses: 1/2″ regular, 5/8″ FIRECODE Core, 5/8″ FIRECODE C Core

Edges: Eased or tapered

Weights: 1/2″ regular core, 1.6 lbs./sq. ft. (7.8 kg/m²); 5/8″ FIRECODE Core, 2.4 lbs./sq. ft. (11.7 kg/m²), 5/8″ FIRECODE C Core, 2.5 lbs./sq. ft. (12.2 kg/m²)

Compliance with Standards: ASTM C931 and C1396

Thermal Coefficient of Expansion (Unrestrained): 9.0×10^{-6} in./in. /°F (40-100 °F); 16.2×10^{-6} mm/mm/°C (4.5-37.8 °C)

Hygrometric Coefficient of Expansion (Unrestrained): 7.2×10^{-6} in./in./% r.h. (5-90% r.h.); (7.2×10^{-6} mm/mm/%r.h.) (7.2 μm/m x % r.h.)

Surface Burning Characteristics: Flame spread 20, smoke developed 0

Packaging: 2 panels per bundle

Submittal Approvals

Job Name	
Contractor	Date