

CertainTeed

GlasRoc[®] BRAND

Enhanced Glass Reinforced Gypsum Sheathing

Product Data and Submittal

Product Description

GlasRoc[®] Sheathing is a high-performance, weather-resistant gypsum sheathing produced with CertainTeed's patented Enhanced Glass Reinforced Gypsum Technology.

Basic Uses

GlasRoc[®] Sheathing is an appropriate substrate in EIF Systems, one-coat and conventional stucco systems, traditional cladding systems, exterior ceilings, soffit systems and exterior curved applications.

Advantages

- Will withstand up to twelve months of exposure to typical weather conditions such as UV, rain, wind, ice and snow.
- Superior water resistance which does not impede vapor transmission.
- Improved physical performance compared to paper-faced and glass-faced gypsum sheathing products.
- Dimensionally stable under changes in temperature and relative humidity.
- Will not contribute to mold growth.
- Noncombustible.
- Lighter weight than comparable gypsum products.
- No special tools or fasteners required for installation.
- Resists delamination, deterioration, warping and job site damage because the glass mats are fully embedded into the panel.
- Fully-embedded glass mats reduce irritating glass fiber exposure for friendlier installation.

Limitations

- Framing spacing should not exceed 16" o.c. for 1/2" GlasRoc[®] Sheathing.
- GlasRoc[®] Sheathing must not be installed below grade.
- GlasRoc[®] Sheathing should not be used as a nailing base.
- GlasRoc[®] Sheathing application to framing by adhesive only is not recommended.
- Boards should be stacked flat with care taken to prevent sagging or damage to edges, ends and surfaces.

Composition and Materials

GlasRoc[®] Sheathing is a paperless gypsum panel with a water-resistant core and fully-embedded glass mats which lie beneath a layer of gypsum, covered with an innovative acrylic coating.

See also GlasRoc[®] Sheathing Type X which has enhanced fire resistance qualities.

Sizes and Types

Thicknesses: 1/2" (12.7 mm)
Widths: 4' (1219 mm) standard
Lengths: 8' standard
Custom lengths available. Ask your CertainTeed sales representative.
Edges: Square
Packaging: Per piece

Applicable Standards and Code Compliance

GlasRoc[®] Sheathing meets ASTM C 1177 and applicable ASTM C 931 and C 79 requirements.
ICC ES NER-674

Technical Data

Surface Burning Characteristics

GlasRoc[®] Sheathing has a Flame Spread rating of 0 and Smoke Developed rating of 0, in accordance with ASTM E 84 and CAN/ULC-S102M.

Noncombustible

Fire testing in accordance with ASTM E 136 determined that GlasRoc[®] Sheathing is non-combustible.

Storage

Store materials protected against damage from weather, direct sunlight, surface contamination, construction traffic, or other causes.

Stack sheathing flat on level supports off the ground, under cover and fully protected from weather. Store and support boards in flat stacks to prevent sagging. Protect materials to keep them dry. Protect boards to prevent damage to edges and surfaces.

(Continued on back)

Job Name _____

Contractor _____

Date _____

Products Specified: _____

Submittal Approvals (Stamps or Signatures)

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Installation

Recommendations

Comply with GA-253, ASTM C 1280, manufacturer's written instructions, and local building codes.

Cut boards at penetrations, edges and other obstructions; fit tightly against abutting constructions, unless otherwise indicated.

Install boards with a 3/8" (9 mm) setback where non-load-bearing constructions abuts structural elements. Install boards with a 1/4" (6 mm) setback where they abut masonry or similar materials that might retain moisture, to prevent wicking. Allow no board joints greater than 1/8" (3 mm).

Coordinate sheathing installation with flashing and joint sealant installation so these materials

are installed in sequence and in a manner that prevents exterior moisture from passing through the completed exterior wall assembly.

Apply fasteners so screw heads bear tightly against face of sheathing boards but do not cut into facing. Do not bridge building expansion joints with sheathing; cut and space edges to match spacing of structural support elements.

Horizontal Installation

Install sheathing with long edges in contact with edges of adjacent boards without forcing. Abut ends of boards over centers of stud flanges, and stagger end joints of adjacent boards not less than one stud spacing. Attach boards at perimeter and within field of board to each stud.

Space fasteners a maximum of 8" (200 mm) o.c. (tighter spacing if recommended by manufacturer for specific application) and a minimum of 3/8" (9 mm) from edges and ends of boards.

Treat board joints, when required by local building code or exterior finish system, per manufacturer's written instructions.

Applicable Standards and References

Gypsum Association GA-253, ASTM C 1280, and ICC International Building Code

Notice

The information in this document is subject to change without notice. CertainTeed assumes no responsibility for any errors that may inadvertently appear in this document.

PHYSICAL PROPERTIES	1/2"(12.7MM) GLASROC® SHEATHING	TEST METHOD
Physical Characteristics:		
Nominal Width	48" (1219 mm)	-
Standard Lengths	8**	-
Face Surface	Acrylic/Gypsum	-
Pliability:		
Bending Radius - Dry, Lengthwise	6' (1800 mm)	-
Strength:		
Racking Strength - Lbs/Lin.Ft. - (kN/m) Design Value	108 (1.58)	ASTM E 72
Parallel Flexural Strength - Lbs. (N)	100 (445)	ASTM C 473
Water Resistance:		
Humidified Deflection (Sag)	1/16" (1.6 mm)	ASTM C 473
Permeance - perms (ng/Pa•s•m')	26 (1500)	ASTM E 96
Thermal Resistance:		
"R" Value - sq.ft.•h•°F/Btu (K•m²/W)	0.51 (0.090)	ASTM C 518
Fire Performance:		
Flame Spread/Smoke Developed	0/0	ASTM E 84
Combustibility:	Noncombustible	ASTM E 136
Expansion:		
Thermal Coefficient of Linear Expansion - in./in./°F (mm/mm/°C)	6.4 X10 ⁻⁶ (11.5 X10 ⁻⁶)	ASTM E 228
Mold Resistance:		
Mold Resistant Rating**	10**	ASTM D 3273/D 3274

*Other lengths available. Ask your CertainTeed sales representative

**No mold growth detected. Note that 10 is the highest rating possible.

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