**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 approved substrate by the major EIFS manufacturers, 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 vapour transmission.
- Improved physical performance compared to paper-faced and glass-mat faced gypsum sheathing products.
- Dimensionally stable under changes in temperature and relative humidity.
- Is lighter weight than comparable gypsum sheathing products.
- Resists delamination, deterioration, warping and job site damage because the glass mats are fully embedded into the panel.
- Will not contribute to mould growth.
- Noncombustible.
- No special tools or fasteners required for installation.
- Fully-embedded glass mats reduce irritating glass fibre exposure for friendlier installation.

**LIMITATIONS**
- Framing spacing should not exceed 16” o.c. for 1/2” GlasRoc® Sheathing.
- Must not be installed below grade.
- Should not be used as a nailing base.
- Application to framing by adhesive only is not recommended.
- Boards should be stacked flat with care taken to prevent sagging or damage to edges 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: 12.7 mm (1/2”)
- Widths: 1219 mm (4’) standard
- Edges: Square
- Packaging: Per piece

**APPLICABLE STANDARDS AND CODE COMPLIANCE**
GlasRoc® Sheathing meets ASTM C 1177 and applicable ASTM C 1396 requirements.
- CCMC Evaluation # 13095-R
- ICC-ES Legacy Report NER-674
- NYC MEA # 312-03-M

**TECHNICAL DATA**

**SURFACE BURNING CHARACTERISTICS**
GlasRoc® Sheathing has a Flame Spread rating of 0 and Smoke Developed rating of 0, in accordance with CAN/ULC-S102 and ASTM E 84.

**NONCOMBUSTIBILITY**
Noncombustible when tested in accordance with ASTM E 136.

**STORAGE**
Store materials to protect against damage from weather, direct sunlight, surface contamination, construction traffic, or other causes. Stack GlasRoc® 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.

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**SUBMITTAL APPROVAL STAMPS/SIGNATURES**

| Date: | Project: |
INSTALLATION

APPLICABLE STANDARDS AND REFERENCES
Gypsum Association GA-253, ASTM C 1280, and CCMC Evaluation Report requirements.

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

Coordinate GlasRoc® 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 heads bear tightly against face of the GlasRoc® Sheathing boards but do not cut into the facers. Do not bridge building expansion joints with GlasRoc® Sheathing, cut and space edges to match spacing of structural support elements.

HORIZONTAL INSTALLATION
Install GlasRoc® Sheathing with long edges in contact 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 200 mm (8") o.c. (tighter spacing if recommended by manufacturer for specific application) and a minimum of 9 mm (3/8”) from edges and ends of boards.
Treat board joints, when required by local building code or exterior finish system, per manufacturer’s written instructions.

Physical Characteristics:
- Nominal Width: 1219 mm (48”)
- Standard Lenghts: 8’
- Face Surface: Acrylic/Gypsum

Pliability:
- Bending Radius - Dry, Lengthwise: 1800 mm (6’)

Strength:
- Racking Strength - kN/m - (Lbs/Lin.Ft.) Design Value: 1.58 (108) - ASTM E72
- Parallel Flexural Strength - N (Lbs.) Design Value: 445 (100) - ASTM C473

Water Resistance:
- Humidified Deflection (Sag): 1.6 mm (1/16”) - ASTM C473
- Permeance - ng/{Pa•m²•s} (perms): 1500 (26) - ASTM E96

Thermal Resistance:
- "R" Value - K•m²/W (sq.ft.–°F/Btu): 0.090 (0.51) - ASTM C 518

Fire Performance:
- Flame Spread/Smoke Developed: 0/0 - CAN/ULC-S102M/ASTM E 84

Combustibility: Noncombustible - ASTM E 136

Expansion:
- Thermal Coefficient of Linear Expansion - mm/mm°C (in/in./°F): 11.5 X10^-6 (6.4 X10^-5) - ASTM E 228

Mould Resistance:
- Mould Resistant Rating*: 10 - ASTM D 3273/D 3274

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

Distributed by:

CertainTeed Corporation
P.O. Box 860
Valley Forge, PA 19482

Professional: 800-233-8990
Consumer: 800-782-8777
www.certainteed.com

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