



Enhanced Glass Reinforced Gypsum Sheathing

Data and Submittal Sheet

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 pre-

vent 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: 12.7 mm (1/2")
- Widths: 1219 mm (4') standard
- Lengths: 8' standard. Custom lengths available.
- 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.

SUBMITTAL APPROVAL STAMPS/SIGNATURES	
Date:	Project:



Data and Submittal Sheet

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 PROPERTIES	12.7mm (1/2") GlasRoc [®] Sheathing	Test Method
Physical Characteristics:		
Nominal Width	1219 mm (48")	-
Standard Lengths	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 E 72
Parallel Flexural Strength - N (Lbs.)	445 (100)	ASTM C 473
Water Resistance:		
Humidified Deflection (Sag)	1.6 mm (1/16")	ASTM C 473
Permeance - ng/Pa•s•m ² (perms)	1500 (26)	ASTM E 96
Thermal Resistance:		
"R" Value - K•m ² /W (sq.ft.•h•°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 ⁻⁹ (6.4 X10 ⁻⁹)	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 

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

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

Characteristics, properties or performance of materials or systems manufactured by CertainTeed herein described are derived from data obtained under controlled test conditions. CertainTeed makes no warranties, express or implied, as to their characteristics, properties or performance under any variations from such conditions in actual construction. CertainTeed assumes no responsibility for the effects of structural movement.

[™]@ CertainTeed and the tag line "Quality made certain. Satisfaction guaranteed." are trademarks of CertainTeed Corporation. All other trademarks are the property of BPB plc or its affiliates and related companies.

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.

©01/07 CertainTeed Corporation. Printed in Canada on recycled paper. ♻️ May 2008 Rev. 1 Form #: L-SD-012-E