PRODUCT DATA SUBMITTAL SHEET

GlasRoc® SHEATHING

REGULAR AND TYPE X REINFORCED GLASS MAT SHEATHING PANEL

Job Name _____

Contractor _____

Date _____

Products Specified _____



PRODUCT DESCRIPTION

1/2″ GlasRoc® Sheathing and 5/8″ GlasRoc Sheathing Type X are weather-resistant drywall sheathing panels consisting of a non-combustible gypsum core and reinforced glass mats used for the face and back surfaces. GlasRoc Sheathing is designed to provide exceptional mold and moisture resistance for exterior sheathing and soffit applications.

5/8″ GlasRoc Sheathing Type X also has a specially formulated, fire-resistant gypsum core for use in fire-resistant rated assemblies.

BASIC USES

GlasRoc Sheathing panels are a tested air barrier material in accordance with ASTM E2178 (CAN/ULC-S741).

GlasRoc Sheathing panels can be used in conjunction with air barrier components and accessories as part of an air barrier assembly ASTM E2357 (CAN/ULC-S742).

GlasRoc Sheathing panels are approved substrates by the major EIFS manufacturers, one-coat and conventional stucco systems, traditional cladding systems, exterior ceilings, soffit systems and exterior curved applications.

GlasRoc Sheathing is an acceptable substrate for many manufacturers' air and water-resistant barrier products, such as GCP Perm-A-Barrier® products.

5/8″ GlasRoc Sheathing is a Type X fire-resistant product and is UL/ULC approved for use in applicable UL and ULC fire rated assemblies.

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 gypsum sheathing.
- Dimensionally stable under changes in temperature and relative humidity.
- Will not contribute to mold growth.
- Non-combustible.
- No special tools or fasteners required for installation.
- 5/8″ GlasRoc Sheathing is a Type X fire-resistant product approved for use in applicable fire-rated assemblies.
- GREENGUARD® Gold Certified.

INSTALLATION

LIMITATIONS

- Not recommended for continuous exposure to temperatures exceeding 125˚F (52˚C).
- Framing spacing should not exceed 24″ (610 mm) o.c.
- Must not be installed below grade.
- GlasRoc Sheathing panels should not be used as a nailing base.

PRODUCT DATA

PROPERTIES	REINFORCED GLASS MAT SHEATHING PANEL
Thickness	1/2″, 5/8″ (12.7 mm, 15.9 mm)
Width	4′ (1220 mm)
Length	8′ (2440 mm)
Weight	1/2″ (12.7 mm) - 1.8 lb/ft^2 5/8″ (15.9 mm) - 2.5 lb/ft^2
Edges	Square
Packaging	Per piece

Custom lengths may be available on special order. Consult your CertainTeed sales representative.

TECHNICAL DATA

APPLICABLE STANDARDS AND REFERENCE	
Product Standard	ASTM C1177
Installation Guidelines	ASTM C1280 / GA-253 / GA-216
Finishing Guidelines	ASTM C840 / GA-214
Florida Product Approval	FL38458-R1
Code References	International Building Code (IBC)
Code References	International Residential Code (IRC)
Code References	National Building Code of Canada (NBCC)
UL/ULC Designation	GlasRoc

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PHYSICAL PROPERTIES	1/2" (12.7 MM) GLASROC® SHEATHING	5/8" (15.9 MM) GLASROC® SHEATHING TYPE X	TEST METHOD
Nominal Width	4′ (1220 mm)	4′ (1220 mm)	-
Standard Lengths	8′ (2440 mm), 10′ (3050 mm), 12′ (3660 mm)	8′ (2440 mm), 10′ (3050 mm), 12′ (3660 mm)	-
Face Surface	Reinforced Glass Mat	Reinforced Glass Mat	-
Weight - lb/ft^2 (kg/m^2)	1.8 lb/ft^2 (8.8 kg/m^2)	2.5 lb/ft^2 (12.1 kg/m^2)	-
Edge Profile	Square	Square	-
Bending Raius - Dry, Lengthwise	6′ (1829 mm)	8′ (2439 mm)*	-
Surface Burning Characteristics - Flame Spread	0 (0)	0 (0)	ASTM E84 / UL 723 (CAN/ULC-S102)
Surface Burning Characteristics - Smoke Developed	0 (0)	0 (0)	ASTM E84 / UL 723 (CAN/ULC-S102)
Surface Burning Characteristics	Class A	Class A	ASTM E84 / UL 723 (CAN/ULC-S102)
Mold Resistance	10 out of 10	10 out of 10	ASTM D3273
Water Resistance	≤ 10%	≤ 10%	ASTM C473
Permeance - Perms (ng/Pa•s•m^2)	> 26 (1500)	> 21 (1200)	ASTM E96
"R" Value - sq.ft.•h•°F/Btu (K•m^2/W)	0.392 (0.069)	0.415 (0.073)	ASTM C518
Combustibility	Non-Combustible	Non-Combustible	ASTM E136 (CAN/ULC-S114)
Thermal Coefficient of Linear Expansion - in./in./°F (mm/mm/°C)	11.2 x 10-6 (20.2 x 10-6)	10.9 x 10-6 (19.7 x 10-6)	ASTM E228
Nail Pull	≥ 80 lbf (356 N)	≥ 90 lbf (400 N)	ASTM C473 (Method B)
Core Hardness - End	≥ 15 lbf (67 N)	≥ 15 lbf (67 N)	ASTM C473 (Method B)
Core Hardness - Edge	≥ 15 lbf (67 N)	≥ 15 lbf (67 N)	ASTM C473 (Method B)
Flexural Strength - Parallel	≥ 80 lbf (356 N)	≥ 100 lbf (445 N)	ASTM C473 (Method B)
Flexural Strength - Perpendicular	≥ 100 lbf (445 N)	≥ 140 lbf (623 N)	ASTM C473 (Method B)
Humidified Deflection	≤ 1/4" (6 mm)	≤ 1/8" (3 mm)	ASTM C473

*Double fasteners on ends as needed.

- Application to framing by adhesive only is not recommended.
- Panels should be stacked flat with care taken to prevent sagging or damage to edges, ends and surfaces.
- Not recommended for use as a tile backer.

RECOMMENDATIONS

Comply with Gypsum Association GA-253 *Application of Gypsum Sheathing*, ASTM C1280 *Application of Exterior Gypsum Panel Products for Use as Sheathing*, GA-216 *Application and Finishing of Gypsum Panel Products*, manufacturer's written instructions, and local building codes.

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

Install panels with a 3/8" (9 mm) setback where nonload-bearing constructions abuts structural elements. Install panels with a 1/4" (6 mm) setback where they abut masonry or similar materials that might retain moisture, to prevent wicking.

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 panels 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.

GlasRoc Sheathing is not intended for water immersion. Any cascading water should be directed away from the GlasRoc Sheathing until the appropriate drainage is in place.

The use of forced air heaters creates water vapor. Proper venting is necessary to reduce potential condensation of this water vapor on building materials. CertainTeed is not responsible for damage resulting from use of these types of heaters. The heater manufacturer should be consulted for proper use and ventilation procedures. Other conditions that may create moisture in the air, reduce drying potential or cause condensation on GlasRoc Sheathing should be avoided.

Do not allow water to pond or settle on GlasRoc Sheathing. Exposed wall ends should be covered to prevent water infiltration.

HORIZONTAL INSTALLATION

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

Space fasteners a maximum of 8" (200 mm) o.c. (tighter spacing if recommended by manufacturer for specific application or UL/ULC fire-rated assembly details) and a minimum of 3/8" (9 mm) from edges and ends of panels.

Treat panel joints, when required by local building code or exterior finish system, per manufacturer's written instructions. No joint treatment or weather-resistant barrier is required for the applicability of the GlasRoc product exposure warranty steel construction).

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 panels in flat stacks to prevent sagging. Protect materials to keep them dry. Protect panels to prevent damage to edges and surfaces. Comply with Gypsum Association GA-801.

BIM/CAD INFORMATION

The BIM and CAD UL fire rated assemblies and sound assemblies can be found on CertainTeed's BIM and CAD Design Studio at bimlibrary.saint-gobain.com/certainteed. CertainTeed's BIM and CAD Design Studio provides BIM and CAD details to many UL fire rated assemblies and sound assemblies in easy to view experience. Plus, downloadable Revit and DWG and PDF CAD Details are available.

SUSTAINABILITY

Sustainable documentation, including recycled content, EPD's, HPD's, VOC Certifications, can be found at saintgobain.ecomedes.com.

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.

For Fire Resistance, no warranty is made other than conformance to the standard under which the assembly was tested. Minor discrepancies may exist in the values of ratings, attributable to changes in materials and standards, as well as differences between testing facilities. Assemblies are listed as "combustible" (wood framing) and "noncombustible" (concrete and/or steel construction).

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