GlasRoc® Sheathing and GlasRoc Sheathing Type X are weather-resistant gypsum sheathing composed of a moisture resistant core and fiberglass mats. GlasRoc Sheathing Type X has a specially formulated core for use in fire resistance rated designs. Made in USA

**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 Type X can be used in fire resistance rated exterior assemblies, as well as air barrier 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 and glass mat-faced gypsum sheathing products.
- 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.

**Limitations**

- Not recommended for continuous exposure to temperatures exceeding 125°F (52°C).
- Framing spacing should not exceed 24” (600 mm) o.c.
- Must not be installed below grade.
- GlasRoc Sheathing panels should not be used as a nailing base.
- 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.

**Composition and Materials**

GlasRoc Sheathing panels are gypsum panels with a water-resistant core and fiberglass mats. GlasRoc Sheathing Type X incorporates additives to enhance its fire resistive qualities.

**Product Data**

**Thicknesses:** 1/2", 5/8" (12.7 mm, 15.9 mm)

**Widths:** 4' (1220 mm) standard

**Lengths:** 8' (2440 mm) standard

**Edges:** Square

**Packaging:** Per piece

**Technical Data**

**Surface Burning Characteristics**

GlasRoc Sheathing panels have a Flame Spread rating of 0 and Smoke Development rating of 0, in accordance with ASTM E84 (CAN/ULC-S102).

**Noncombustibility**

Noncombustible when tested in accordance with ASTM E136.

**Fire Resistance**

Fire resistance tests are conducted in accordance with ASTM E119 (ANSI/UL 263 and CAN/ULC-S101) and 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). For fire resistance ratings, refer to the Gypsum Association Fire Resistance Design Manual, UL Fire Resistance Directory - Vol. 1, and ULC Fire Resistance Directory (List of Equipment and Materials).

**UL/ULC Type Designations**

GlasRoc

**Applicable Standards and References**

- Manufactured to meet ASTM C1177 and applicable sections of ASTM C1396.
- Component of ASTM E2357 (CAN/ULC-S742) Air Barrier Assemblies.
- UL Evaluation Report UL ER3660-01.

**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 damage.
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.

**Installation Recommendations**

Comply with Gypsum Association GA-253, ASTM C1280, 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 non-load-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 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.

**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.

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**PHYSICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Nominal Width</th>
<th>1/2” (12.7 mm) GlasRoc Sheathing</th>
<th>5/8” (15.9 mm) GlasRoc Sheathing Type X</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Lengths</td>
<td>4’ (1220 mm)</td>
<td>4’ (1220 mm)</td>
<td>–</td>
</tr>
<tr>
<td>Face Surface</td>
<td>8’ (2440 mm)*</td>
<td>8’ (2440 mm)*</td>
<td>–</td>
</tr>
<tr>
<td>Weight - lb/sq.ft. (kg/m2)</td>
<td>Coated Mat</td>
<td>Coated Mat</td>
<td>–</td>
</tr>
<tr>
<td>Weight - lb/sq.ft. (kg/m2)</td>
<td>1.9 (9.3)</td>
<td>2.3-2.65 (11.2-12.9)</td>
<td>–</td>
</tr>
<tr>
<td>Bending Radius - Dry, Lengthwise</td>
<td>1.9 (36)</td>
<td>6” (1829 mm)</td>
<td>–</td>
</tr>
<tr>
<td>Parallel Flexural Strength - lbf (N)</td>
<td>=&gt; 80 (356)</td>
<td>=&gt; 80 (356)</td>
<td>–</td>
</tr>
<tr>
<td>Humidified Deflection (Sag)</td>
<td>=&gt; 2/8” (6.4 mm)</td>
<td>=&gt; 2/8” (6.4 mm)</td>
<td>–</td>
</tr>
<tr>
<td>Humidified Deflection (Sag)</td>
<td>0.392 (0.069)</td>
<td>0.392 (0.069)</td>
<td>–</td>
</tr>
<tr>
<td>Flame Spread/Smoke Developed</td>
<td>0/0 (0/0)</td>
<td>0/0 (0/0)</td>
<td>–</td>
</tr>
<tr>
<td>Combustibility</td>
<td>Non-combustible</td>
<td>Non-combustible</td>
<td>–</td>
</tr>
<tr>
<td>Thermal Coefficient of Linear Expansion - in./in./°F (mm/mm/°C)</td>
<td>11.2 x 10^-4 (20.2 x 10^-4)</td>
<td>10.9 x 10^-6 (19.7 x 10^-6)</td>
<td>–</td>
</tr>
<tr>
<td>Mold Resistant Ratings</td>
<td>10***</td>
<td>10***</td>
<td>ASTM D3273</td>
</tr>
</tbody>
</table>

* Other lengths available. Ask your CertainTeed Sales Representatives.

** Double fasteners on ends as needed.

*** No mold growth detected. Note that 10 is the highest rating possible for ASTM D3273.

† Ask your sales representative for product availability in your region.