The unique technology behind GlasRoc® Sheathing combines reinforcing glass mats, fully-embedded into a water-resistant gypsum core positioned beneath a paperless polymer-modified gypsum surface, and a protective acrylic coating on the exterior face. It is an enhanced version of the patented Glass Reinforced Gypsum Technology developed and used by CertainTeed for the past 20 years. An additional patent was awarded to CertainTeed in February, 2003.

**GlasRoc® Brand Sheathing offers:**
- Long term protection (6 months) to weather exposure.
- A superior water resistant surface that does not inhibit water vapor permeance.
- Excellent fire resistance properties, and numerous fire rated designs.
- Mold and mildew resistance.
- Compatibility with most exterior wall systems and applications.
- Conformity to design and code requirements.
- Strength – with enough flexibility to bend to curved surfaces.
- A lightweight sheathing that cuts like regular gypsum board and is easy to handle and install — with minimal skin irritation due to fully-embedded glass mats.

GlasRoc® Sheathing is the next generation of the industry standard for high-performance, weather-resistant, gypsum-based sheathing. To back it up, CertainTeed provides a:
- 6 month limited warranty against exposure
- 5 year limited warranty assuring product performance
- 10 year substrate limited warranty in architecturally-specified EIF Systems

So, relax – you’ve got the protection of GlasRoc® Sheathing.

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* Covered by U.S. Patent No. 6,524,679, and other patents and patents pending.
**Benefits**

**Better Physical Performance**
Tested in accordance with ASTM C 1177, and applicable ASTM C 931 and C 79 tests, GlasRoc® Sheathing meets or exceeds all physical property requirements. Results showed improved physical performance compared to glass-faced gypsum sheathing including:
- Reduced humidified deflections
- Superior flexural strengths
- Excellent nail-pull resistance

**Enhanced Dimensional Stability**
GlasRoc® Sheathing will withstand normal exposure to UV, rain, wind, ice, and snow. It is dimensionally stable under changes in temperature and relative humidity. To back it up, CertainTeed provides a 6 month exposure limited warranty.

**Excellent Fire Protection**
Testing in accordance with ASTM E 136 proved that GlasRoc® Sheathing, with its acrylic coating, is noncombustible and offers superior fire performance compared to paper-faced sheathings. It has a zero flame spread and zero smoke developed index when tested per ASTM E 84 (CAN/ULC-S102) for surface burning characteristics.
GlasRoc® Sheathing Type X is UL Classified for Fire Resistance for use in fire-rated designs. (UL Designation - Type EGRG).

**Easy to Handle and Install**
GlasRoc® Sheathing is handled and installed like regular paper-faced sheathing.

In addition, it:
- Can be scored and cut with a standard utility knife. No special tools required.
- Snaps free after scoring only one face.
- Attaches to framing with the same fasteners used for paper-faced gypsum. No special fasteners required.
- Is easier to handle because skin irritations are minimized due to the fully-embedded glass mats and our innovative acrylic coating.
- Has uniform field and edge hardness, making trimming & fastening quick and easy.

**Long Term Protection to Weather Exposure**
GlasRoc® Sheathing, with its homogenous water resistance throughout the board, offers superior freeze/thaw resistance. It will withstand exposure to UV, rain, wind, ice and snow. To back it up, CertainTeed provides a 6 month exposure limited warranty. GlasRoc® Sheathing provides enhanced surface liquid water resistance while allowing the building’s vapor drive to be unimpeded.

**Mold and Mildew Resistance**
Because GlasRoc® Sheathing contains no starches, sugars, paper facing or pulp, it will resist mold and mildew growth. When tested in accordance with ASTM D 3273, GlasRoc® Sheathing exhibited no evidence of mold or fungal growth after a period of 28 days of exposure, yielding a rating of 10.

**Increased Durability**
GlasRoc® Sheathing resists delamination because the glass mats are fully-embedded into the panel, creating a more durable, dimensionally stable panel.

**Standards and Code Compliance**
- ICC-ES Legacy Report NER-674
- NYC MEA 312-03-M
- CCMC Evaluation Report #13095-R
- Florida Product Approval #FL3029

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**Dimensions**

<table>
<thead>
<tr>
<th>Thickness &amp; Type</th>
<th>Width</th>
<th>Length</th>
<th>Edge</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot; (12.7 mm)</td>
<td>4'</td>
<td>8&quot;</td>
<td>Square</td>
<td>ASTM C 1177</td>
</tr>
<tr>
<td>5/8&quot; (15.9 mm)</td>
<td>4'</td>
<td>8&quot;</td>
<td>Square</td>
<td>ASTM C 1177</td>
</tr>
</tbody>
</table>

*Other lengths available. Ask your CertainTeed sales representative.*
# Typical Physical Properties
## High-Performance Sheathing Comparison

<table>
<thead>
<tr>
<th>Properties</th>
<th>Products - 1/2” (12.7 mm)</th>
<th>Products - Fire-Rated 5/8” (15.9 mm)</th>
<th>Test Method/Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>GlassRoc® Sheathing</td>
<td>Dens-Glass Gold® Sheathing</td>
<td>Fiberock® Aqua-Tough® Sheathing</td>
</tr>
<tr>
<td>Nominal Width</td>
<td>48” (1219 mm)</td>
<td>48” (1219 mm)</td>
<td>48” (1219 mm)</td>
</tr>
<tr>
<td>Weight - Lbs/Square Foot</td>
<td>1.9 (9.3)</td>
<td>1.9 (9.3)</td>
<td>2.2 (10.7)</td>
</tr>
<tr>
<td>Standard Length</td>
<td>8’* (2400)</td>
<td>8’ (2400)</td>
<td>11’ (3355)</td>
</tr>
<tr>
<td>Face Surface</td>
<td>Acrylic/Gypsum</td>
<td>Glass Mat</td>
<td>Gypsum Fiber</td>
</tr>
</tbody>
</table>

### Physical Characteristics:

#### Pliability:
- Bending Radius - Dry, Lengthwise, Feet (mm):
  - 6 (1800)
  - 6 (1800)
  - 30 (9000)
  - 8 (2400)
  - 8 (2400)
  - 30 (9000)

#### Strength:
- Racking Strength - Lbs/Lin.Ft. - (kN/m) Design Value:
  - 108 (1.58)
  - 99 (1.44)
  - 150 (2.19)
  - 120 (1.75)
  - -
  - 175 (2.55)
- Parallel Flexural Strength - Lbs. (N):
  - 100 (445)
  - 80 (356)
  - 124 (552)
  - 135 (600)
  - 100 (445)
  - 189 (841)

#### Water Resistance:
- Humidified Deflection (Sag) - Inches (mm):
  - 1/16 (1.6)
  - 2/8 (6)
  - -
  - 1/64 (0.4)
  - 1/8 (3)
  - -

#### Water Vapor Transmission:
- Permeance - perms (ng/Pa•s•m²):
  - 26 (1500)
  - 23 (1320)
  - 35 (2030)
  - 21 (1200)
  - 17 (970)
  - 28 (1620)

#### Thermal Resistance:
- "R" Value - sq.ft. • h•°F/Btu (K•m²/W):
  - 0.51 (0.090)
  - 0.56 (0.099)
  - 0.5 (0.088)
  - 0.51 (0.090)
  - 0.67 (0.118)
  - 0.6 (0.106)

#### Fire Performance:
- Flame Spread/Smoke Developed:
  - 0/0
  - 10/0
  - 5/0
  - 0/0
  - 10/0
  - 5/0
- Combustibility:
  - Noncombustible
  - Noncombustible
  - -
  - Noncombustible
  - Noncombustible
  - -

#### Dimensional Stability:
- Thermal Coefficient of Linear Expansion - in./in./°F (mm/mm/°C):
  - 6.4 X 10⁻⁸ (11.5 X 10⁻⁸)
  - 8.5 X 10⁻⁶ (15.3 X 10⁻⁶)
  - -
  - 6.4 X 10⁻⁸ (11.5 X 10⁻⁸)
  - 8.5 X 10⁻⁶ (15.3 X 10⁻⁶)
  - -

#### Mold Resistance:
- Mold Resistance Rating**:
  - 10**
  - 10**
  - 10**
  - 10**
  - 10**

*Other lengths available. Ask your CertainTeed sales representative.

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

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** Typical Physical Properties High-Performance Sheathing Comparison

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** INTERIOR: INSULATION • WALLS • CEILINGS

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