**Product Name:** MemBrain™ Continuous Air Barrier & Smart Vapor Retarder

**Manufacturer:** CertainTeed Corporation

**Address:** 20 Moores Road
Malvern, PA 19355

**Phone:** 800-233-8990

**Website:** www.certainteed.com/membrain

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**TECHNICAL DATA**

**Applicable Standards**

- Model Building Codes:
  - ICC
    - Articles 9.25.4.2
    - Articles 9.25.3

- Water Vapor Permeance:
  - ASTM C665
    - Section 7.4, Water-Vapor Permeance
  - ASTM E96

- Fire Properties:
  - ASTM E84
    - Surface Burning Characteristics
      - Flame Spread Index < 25
      - Smoke Developed Index < 450

- Quality Assurance:
  - CertainTeed’s commitment to quality and environmental management has ensured the registration of the Athens, Chowchilla and Kansas City plants to ISO 9001:2008 and ISO 14001:2004 standards.

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**PHYSICAL AND CHEMICAL PROPERTIES**

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>TEST METHOD</th>
<th>RESULT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Vapor Permeance (57ng/Pa•s•m²)</td>
<td>ASTM E96 Desiccant Method</td>
<td>≤1.0 perm</td>
</tr>
<tr>
<td>Water Vapor Permeance (572ng/Pa•s•m²)</td>
<td>ASTM E96 Water Method</td>
<td>&gt;10 perms</td>
</tr>
<tr>
<td>Corrosivity</td>
<td>ASTM C665</td>
<td>No unusual aspect of corrosion such as pitting, cracking and adhesive cure inhibition</td>
</tr>
<tr>
<td>Fungi Resistance</td>
<td>ASTM C1338</td>
<td>No growth</td>
</tr>
</tbody>
</table>
Sizes: This product is manufactured in nominal widths to cover interior walls that are 8, 9, 10 and 12 feet high. The material is folded and rolled to create rolls containing 100 linear feet of product. Available standard sizes are listed in Table 1.

Table 1

<table>
<thead>
<tr>
<th>Width</th>
<th>Length</th>
<th>Coverage</th>
<th>Roll Weight (with Box &amp; Core)</th>
<th>Rolls/Pallet*</th>
<th>Weight/Pallet</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 ft. 4 in. (2.54m)</td>
<td>100 ft. (30.48m)</td>
<td>833 ft2 (77.4 m2)</td>
<td>11.1 lbs. (5.0 kg)</td>
<td>45</td>
<td>545 lbs. (247 kg)</td>
</tr>
<tr>
<td>9 ft. 4 in. (2.84m)</td>
<td>100 ft. (30.48m)</td>
<td>933 ft2 (86.7m2)</td>
<td>12.5 lbs. (5.7 kg)</td>
<td>45</td>
<td>608 lbs. (276 kg)</td>
</tr>
<tr>
<td>10 ft. 4 in. (3.15m)</td>
<td>100 ft. (30.48m)</td>
<td>1,033 ft2 (96.0 m2)</td>
<td>13.7 lbs. (6.2 kg)</td>
<td>40</td>
<td>593 lbs. (269 kg)</td>
</tr>
<tr>
<td>12 ft. 4 in. (3.76m)</td>
<td>100 ft. (30.48m)</td>
<td>1,233 ft2 (114.5 m2)</td>
<td>17.0 lbs (7.7 kg)</td>
<td>30</td>
<td>555 lbs. (252 kg)</td>
</tr>
</tbody>
</table>

* 48" (1219 mm) maximum pallet height.

INSTALLATION

For most areas, vapor retarders should be installed on the warm-in-winter side of the insulation (toward the interior). For some warm and humid areas, the vapor retarder should be installed towards the exterior of the building envelope. MemBrain is not intended to be used as an exterior vapor retarder. Check local practice and/or building codes.

Installation in wood framing: Same as polyethylene sheeting. Please see MemBrain Installation Instructions for Wood Framing and Steel Framing (30-28-142).

Installation as an air barrier system: MemBrain may be installed as a continuous interior air barrier system. Please see MemBrain Air Barrier Installation for Wood Framing (30-28-137).

AVAILABILITY AND COST

Manufactured and sold throughout the United States. For availability and cost, contact your local contractor, retailer or distributor, or call CertainTeed Sales Support Group at 800-233-8990.

MAINTENANCE

Not required.

TECHNICAL SERVICES

Technical assistance can be obtained from either the local CertainTeed sales representative, or by calling CertainTeed Sales Support Group at 800-233-8990.