OEM Acoustical Board Insulation

1. PRODUCT NAME
CertainTeed OEM Acoustical Board Insulation

2. MANUFACTURER
CertainTeed Corporation
P.O. Box 860
Valley Forge, PA 19482-0105
Phone: (610) 341-7000
(800) 233-8990
Fax: (610) 341-7571
Fax-On-Demand: (800) 947-0057
Website: www.certainteed.com

3. PRODUCT DESCRIPTION
Basic Use: OEM Acoustical Board Insulation is used by fabricators who process it into finished acoustical insulation products. OEM Acoustical Board is typically used for office furniture, acoustical panels, baffles, architectural panels, and ceiling panels.

Benefits: OEM Acoustical Board Insulation provides excellent thermal and acoustical properties and retains its physical characteristics. The product is easy to fabricate or cut to size. Lighter densities can be used in applications requiring conformance to curved surfaces. Higher density boards can be sanded and machined.

Composition and Materials: The product is composed of glass fibers bonded together with a thermosetting binder. OEM Acoustical Board Insulation is available from 3 to 6 lbs./cu.ft. Acoustical Board is produced with a smooth surface on one side.

Limitations: Insulation should be kept clean and dry at all times.
Sizes: See the table below for available sizes. Contact CertainTeed for availability and minimum order quantities.

4. TECHNICAL DATA
Applicable Standards
- Material Standards:
  - OEM 300, (ASTM C612), Type IA, Type IB
  - OEM 600, (ASTM C612), Type IA, Type IB

Fire Resistance:
- Fire Hazard Classification: (ASTM E84, UL 723, NFPA 255)
  - Max. Flame Spread Index; 25
  - Max. Smoke Developed Index; 50

Physical/Chemical Properties:
- Thermal Performance:
  - See table on back page.
- Acoustical Performance:
  - See table on back page.
- Service Temperature: (ASTM C411)
  - Max. 450°F (232°C)
- Corrosiveness: (ASTM C665)
  - Pass
- Fungi Resistance: (ASTM C1338)
  - Pass
- Water Vapor Sorption: (ASTM C1104)
  - < 5% by weight

Quality Assurance: CertainTeed’s manufacturing plants, R&D center and corporate headquarters are registered to ISO 9001-2000 standards.

5. AVAILABILITY AND COST
Manufactured and sold throughout the United States and Canada. For availability and cost, contact your local distributor or call CertainTeed in Valley Forge, PA at (800) 233-8990.

6. WARRANTY
Inasmuch as CertainTeed has no control over the installation design, installation workmanship, accessory materials, or conditions of application, CertainTeed does not warrant the performance or results of any installation containing its products.

9. TECHNICAL SERVICES
Technical assistance can be obtained either from the local CertainTeed sales representative, or by calling Technical Services in Valley Forge, PA, (800) 233-8990.

10. FILING SYSTEMS
- Additional product information available upon request.

Visit us on our website at www.certainteed.com for the most up-to-date product information.

<table>
<thead>
<tr>
<th>AVAILABLE SIZES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Type</td>
</tr>
<tr>
<td>OEM 300</td>
</tr>
<tr>
<td>OEM 600</td>
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</table>
**ACOUSTICAL PERFORMANCE**

<table>
<thead>
<tr>
<th>Type</th>
<th>Thickness*</th>
<th>Absorption Coefficients @ Octave band Frequency (Hz)</th>
<th>NRC**</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>in</td>
<td>mm</td>
<td>125</td>
</tr>
<tr>
<td>1</td>
<td>25.4</td>
<td>0.07</td>
<td>0.28</td>
</tr>
<tr>
<td>1½</td>
<td>38.1</td>
<td>0.11</td>
<td>0.42</td>
</tr>
<tr>
<td>2</td>
<td>50.8</td>
<td>0.17</td>
<td>0.76</td>
</tr>
<tr>
<td>3</td>
<td>76.2</td>
<td>0.41</td>
<td>0.96</td>
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<tr>
<td>4</td>
<td>101.2</td>
<td>0.75</td>
<td>1.18</td>
</tr>
<tr>
<td>1</td>
<td>25.4</td>
<td>0.12</td>
<td>0.52</td>
</tr>
<tr>
<td>1½</td>
<td>38.1</td>
<td>0.17</td>
<td>0.50</td>
</tr>
<tr>
<td>2</td>
<td>50</td>
<td>0.24</td>
<td>0.72</td>
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</table>

Sound absorption tested in accordance with ASTM C423 using Type A mounting per ASTM E795.
* Data for other thicknesses may be available.
** Noise reduction coefficient

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**THERMAL PERFORMANCE**

<table>
<thead>
<tr>
<th>Board Type</th>
<th>Density</th>
<th>K-Value</th>
<th>Btu•in h•ft.²•°F</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>75</td>
<td>100</td>
</tr>
<tr>
<td>OEM 300</td>
<td>3.0</td>
<td>.23</td>
<td>.23</td>
</tr>
<tr>
<td>OEM 600</td>
<td>6.0</td>
<td>.22</td>
<td>.23</td>
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**TOLERANCES**

<table>
<thead>
<tr>
<th>Density</th>
<th>Thickness</th>
<th>Width</th>
<th>Length</th>
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<tbody>
<tr>
<td>3 to 6</td>
<td>± ¼&quot;</td>
<td>± ½&quot;</td>
<td>± ¾&quot;</td>
</tr>
</tbody>
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