**PRODUCT DESCRIPTION**

**Basic Use:** CertaPro™ Commercial Board is used where board stiffness properties are required and also functions as an exterior insulation when covered with a weather barrier. Commercial Board is used in exterior curtain walls, interior walls and floor/ceiling assemblies, and as an exterior insulation on HVAC ducts and plenums or in constructions where framing is not present. It is also used as thermal insulation on tanks and vessels.

**Benefits:** CertaPro Commercial Board provides high sound absorption and excellent thermal performance. This product contains a minimum of 60% recycled content. The product is offered in a variety of stiffness properties from flexible to rigid and all can be easily cut, handled, fabricated and installed.

**Composition and Materials:** The product is composed of tan, uniformly textured, inorganic fibrous glass and formed with a formaldehyde-free binding agent.

**Limitations:** Insulation should be kept clean and dry at all times.

**Sizes:** See table on other side. Contact CertainTeed for other sizes and minimum order quantities.

**INSTALLATION**

Exterior Walls – The faced side of the board should be installed toward the interior side of the structure, except in warm and humid areas where local code regulations may require a vapor retarder to face toward the exterior.

Curtain Walls – CertaPro Commercial Board is applied to spandrel and pre-cast concrete panels with approved adhesives or mechanical fasteners. Boards may also be installed using hat channels or Z studs. Where a vapor retarder is required, all joints, seams and penetrations must be sealed. Exterior applications require the insulation to be covered with appropriate weather barrier finish in addition to the factory-applied vapor retarder facing. Choice of finish depends on mechanical abuse, weather exposure and appearance requirements.

HVAC/Mechanical – All fabrication, application and installation steps should be in accordance with the requirements of the National Commercial and Industrial Installation Standards (current edition) published by the Midwest Insulation Contractors Association (MICA).

These installation recommendations are general in nature. Other methods are acceptable. Please consult your contractor for recommendations best suited to the application.

**AVAILABILITY AND COST**

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

**WARRANTY**

Refer to CertainTeed Limited Warranty for Commercial Insulation (30-25-034). 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.

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**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Applicable Standards</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Building Codes</td>
<td>- ICC</td>
</tr>
<tr>
<td>- New York City MEA 35-79-M</td>
<td></td>
</tr>
<tr>
<td>- California Quality Standards Reg. No. CA-T024 (PA)</td>
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<tr>
<td>- City of Los Angeles, RR 8148</td>
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<tr>
<td>Material Standards</td>
<td>- CAN/ULC S-702, Type I</td>
</tr>
<tr>
<td>- ASTM C553, CB 150, Type I, II &amp; III</td>
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<tr>
<td>- ASTM C612, CB 150 &amp; CB 225, Type IA; CB 300 &amp; CB 600, Types IA &amp; IB</td>
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<tr>
<td>- CAN/CGSB-51.10-92, CB 150 &amp; CB 225, Type II, Class II; CB 300 &amp; CB 600, Type I, Class II</td>
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<tr>
<td>Fire Resistance</td>
<td>- ASTM E84, UL 723</td>
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<tr>
<td>- CAN/ULC-ST012</td>
<td>Max. Flame Spread Index: 25</td>
</tr>
<tr>
<td>- ASTM C411</td>
<td>Max. Smoke Developed Index: 50</td>
</tr>
<tr>
<td>- Limited Combustible</td>
<td>- NFPA 289 / ≤ 3,500 Btu/lb</td>
</tr>
<tr>
<td>Physical/Chemical Properties</td>
<td></td>
</tr>
<tr>
<td>Thermal Performance</td>
<td>- ASTM C177 or ASTM C518 / See table on other side</td>
</tr>
<tr>
<td>Acoustical Performance</td>
<td>- ASTM C423 / See table on other side</td>
</tr>
<tr>
<td>Operating Limits (Temperature)</td>
<td>- ASTM C411 / Max. 250°F (121°C) (Faced)</td>
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<tr>
<td>,</td>
<td>Max. 450°F (232°C) (Unfaced)</td>
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<tr>
<td>Water Vapor Permeance</td>
<td>- ASTM E96, Test Method / Max. 0.09 perms (1.15 x 10^(-14) g/Pa·s·m²) (ASJ and FSK Facing)</td>
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<tr>
<td>,</td>
<td>Water Vapor Sorption</td>
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<tr>
<td>,</td>
<td>- ASTM C1104 / ≤ 5% by weight</td>
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<tr>
<td>Corrosiveness</td>
<td>- ASTM C665 / Pass</td>
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<tr>
<td>Fungal Resistance</td>
<td>- ASTM C1338 / Pass</td>
</tr>
<tr>
<td>Odor Emission</td>
<td>- ASTM C1304 / Pass</td>
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</tbody>
</table>
## MAINTENANCE

An inspection and preventative maintenance program for the insulation and vapor retarder system is recommended to ensure optimum performance.

## TECHNICAL SERVICES

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

## FILING SYSTEMS

- CertainTeed Pub. No. 30-25-056
- Additional product information available upon request.

## AVAILABLE SIZES - THERMAL PERFORMANCE - ACOUSTICAL PERFORMANCE

<table>
<thead>
<tr>
<th>Type</th>
<th>Thickness</th>
<th>Density</th>
<th>Thermal Resistance</th>
<th>Thermal Conductivity</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>Lb/ft³</td>
<td>Kg/m³</td>
<td>R</td>
<td>RSI</td>
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<tr>
<td>CB 110</td>
<td>1½</td>
<td>38</td>
<td>1.10</td>
<td>17.57</td>
<td>6.0</td>
<td>1.06</td>
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<tr>
<td></td>
<td>3½</td>
<td>89</td>
<td>1.10</td>
<td>17.57</td>
<td>14.0</td>
<td>2.47</td>
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<tr>
<td></td>
<td>6</td>
<td>153</td>
<td>1.10</td>
<td>17.57</td>
<td>25.0</td>
<td>4.20</td>
</tr>
</tbody>
</table>

* Estimated sound absorption coefficients and NRC. Sound absorption tested in accordance with ASTM C423 using Type A mounting per ASTM E795.

All/Service/Jacket (ASJ facing) is not available in Type CB 150. CB 110, 150 and 600 are not available in FSK, WMP or ASJ facings.

## ASK ABOUT OUR OTHER CERTAINTEED PRODUCTS AND SYSTEMS:

- EXTERIOR: ROOFING • SIDING • WINDOWS • FENCE • RAILING • TRIM • DECKING • FOUNDATIONS • PIPE
- INTERIOR: INSULATION • GYPSUM • CEILINGS

**Availability:**

- **Type CB 110**
  - Thickness: 1½, 3½, 6 in.
  - Density: 1.10, 1.75, 2.47 lb/ft³
  - R: 6.0, 14.0, 25.0
  - RSI: 1.06, 2.47, 4.20
  - Btu/h*ft²°F: 0.25, 0.25, 0.25
  - W: 0.036, 0.036, 0.036

- **Type CB 150**
  - Thickness: 1½, 2, 3½, 6 in.
  - Density: 1.10, 1.75, 2.47 lb/ft³
  - R: 8.0, 10.0, 12.0
  - RSI: 1.41, 1.76, 2.11
  - Btu/h*ft²°F: 0.25, 0.25, 0.25
  - W: 0.036, 0.036, 0.036

- **Type CB 180**
  - Thickness: 1½, 2, 3½, 6 in.
  - Density: 1.10, 1.75, 2.47 lb/ft³
  - R: 10.0, 12.0, 14.0
  - RSI: 1.76, 2.11, 2.47
  - Btu/h*ft²°F: 0.25, 0.25, 0.25
  - W: 0.036, 0.036, 0.036

- **Type CB 225**
  - Thickness: 1½, 2, 3½, 6 in.
  - Density: 1.50, 2.25, 3.00 lb/ft³
  - R: 6.3, 8.3, 10.4
  - RSI: 1.15, 1.47, 1.83
  - Btu/h*ft²°F: 0.24, 0.24, 0.24
  - W: 0.035, 0.035, 0.035

- **Type CB 250**
  - Thickness: 1½, 2, 3½, 6 in.
  - Density: 1.50, 2.25, 3.00 lb/ft³
  - R: 8.0, 10.0, 12.0
  - RSI: 1.41, 1.76, 2.11
  - Btu/h*ft²°F: 0.24, 0.24, 0.24
  - W: 0.035, 0.035, 0.035

- **Type CB 300**
  - Thickness: 1½, 2, 3½, 6 in.
  - Density: 1.50, 2.25, 3.00 lb/ft³
  - R: 10.4, 12.5, 14.6
  - RSI: 1.83, 2.19, 2.56
  - Btu/h*ft²°F: 0.24, 0.24, 0.24
  - W: 0.035, 0.035, 0.035

- **Type CB 450**
  - Thickness: 1½, 2, 3½, 6 in.
  - Density: 2.25, 3.00 lb/ft³
  - R: 14.6, 16.6
  - RSI: 2.56, 2.91
  - Btu/h*ft²°F: 0.23, 0.23
  - W: 0.033, 0.033

- **Type CB 600**
  - Thickness: 1½, 2, 3½, 6 in.
  - Density: 3.00 lb/ft³
  - R: 19.2, 21.1
  - RSI: 3.06, 2.91
  - Btu/h*ft²°F: 0.23, 0.23
  - W: 0.032, 0.032

- **Type CB 150**
  - Thickness: 1½, 2, 3½, 6 in.
  - Density: 1.50, 2.25, 3.00 lb/ft³
  - R: 8.0, 10.0, 12.0
  - RSI: 1.41, 1.76, 2.11
  - Btu/h*ft²°F: 0.24, 0.24, 0.24
  - W: 0.035, 0.035, 0.035

- **Type CB 250**
  - Thickness: 1½, 2, 3½, 6 in.
  - Density: 1.50, 2.25, 3.00 lb/ft³
  - R: 10.0, 12.5, 14.6
  - RSI: 1.76, 2.19, 2.56
  - Btu/h*ft²°F: 0.24, 0.24, 0.24
  - W: 0.035, 0.035, 0.035

- **Type CB 300**
  - Thickness: 1½, 2, 3½, 6 in.
  - Density: 1.50, 2.25, 3.00 lb/ft³
  - R: 12.5, 16.6
  - RSI: 2.19, 2.91
  - Btu/h*ft²°F: 0.24, 0.24
  - W: 0.035, 0.035

- **Type CB 450**
  - Thickness: 1½, 2, 3½, 6 in.
  - Density: 2.25, 3.00 lb/ft³
  - R: 16.6
  - RSI: 2.91
  - Btu/h*ft²°F: 0.23
  - W: 0.033

- **Type CB 600**
  - Thickness: 1½, 2, 3½, 6 in.
  - Density: 3.00 lb/ft³
  - R: 19.2
  - RSI: 3.06
  - Btu/h*ft²°F: 0.23
  - W: 0.032

* Estimated sound absorption coefficients and NRC. Sound absorption tested in accordance with ASTM C423 using Type A mounting per ASTM E795.

All/Service/Jacket (ASJ facing) is not available in Type CB 150. CB 110, 150 and 600 are not available in FSK, WMP or ASJ facings.

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