Molded Polystyrene Insulation.

Foam-Control® molded polystyrene insulation is a cost effective, durable, and energy efficient solution for all types of insulation applications. Foam-Control Insulation is an insulation manufactured to provide architects, specifiers, distributors, and contractors all the features and benefits inherent in a quality insulation.

R-value - Foam-Control 400 has an R-value that never changes over time.

Strength - Foam-Control 400 has a compressive strength of 40 psi.

Moisture Resistance - Foam-Control 400 is a closed cell polystyrene insulation and is resistant to moisture gain.

Vapor Permeable - Foam-Control 400 allows moisture vapor to move through its structure.

Drying Potential - Foam-Control 400 rapidly releases absorbed moisture.

Applications.

- Cavity Wall
- Wall Sheathing
- Precast Concrete Core
- Flat/Tapered Roofing
- Plaza Deck/Vegetative Green Roof
- Perimeter/Underslab
- Drainage Board
- Waterproofing Protection

Proven to meet, or exceed, building codes.

Foam-Control insulation is manufactured under an industry leading quality control program monitored by UL and further recognized in UL Evaluation Report UL ER11812-01.


<table>
<thead>
<tr>
<th>Foam-Control 400</th>
<th>400</th>
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<table>
<thead>
<tr>
<th>Compressive Strength</th>
<th>psi (kPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>@ 10% deformation, min.</td>
<td></td>
</tr>
<tr>
<td>ASTM D1621</td>
<td></td>
</tr>
<tr>
<td>25°F</td>
<td>5.0 (0.88)</td>
</tr>
<tr>
<td>40°F</td>
<td>4.8 (0.85)</td>
</tr>
<tr>
<td>75°F</td>
<td>4.4 (0.77)</td>
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</tbody>
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<table>
<thead>
<tr>
<th>R-value</th>
<th>Thermal Resistance, per inch,</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM C518</td>
<td></td>
</tr>
<tr>
<td>25°F</td>
<td>0.20 (0.029)</td>
</tr>
<tr>
<td>40°F</td>
<td>0.21 (0.030)</td>
</tr>
<tr>
<td>75°F</td>
<td>0.23 (0.033)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>k-value</th>
<th>Thermal Conductivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM C518</td>
<td></td>
</tr>
<tr>
<td>25°F</td>
<td>0.20 (0.029)</td>
</tr>
<tr>
<td>40°F</td>
<td>0.21 (0.030)</td>
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<tr>
<td>75°F</td>
<td>0.23 (0.033)</td>
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</table>

<table>
<thead>
<tr>
<th>Density, Nominal</th>
<th>lb/ft³ (kg/m³)</th>
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<tbody>
<tr>
<td>ASTM C303</td>
<td>2.5 (40)</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Flexural Strength</th>
<th>psi (kPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM C203</td>
<td>60 (414)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water Vapor Permeance</th>
<th>of 1.0 in. thickness, max., perm</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM E96</td>
<td>2.5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water Absorption, volume %</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM C272</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flame Spread Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM E84</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Smoke Developed Index</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM E84</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Maximum long term use temperature</th>
<th>165°F (74°C)</th>
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<tr>
<th>ASTM C578 Compliance, Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>XIV</td>
</tr>
</tbody>
</table>

1 Please refer to ASTM C578 specification for complete information.

2 Compressive strength is measured at 10 percent in accordance with ASTM C578. A safety factor is required to prevent long-term creep for sustained loads. For static loads, a safety factor of 3:1 is recommended.

3 ASTM C272 24 hour immersion followed by 24 hour storage in 75°F/50%RH air.

www.thermafoamark.com