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 50 has an R-value that never changes over time.

**Strength** - Foam-Control 50 has a compressive strength of 5 psi.

**Moisture Resistance** - Foam-Control 50 is a closed cell polystyrene insulation and is resistant to moisture gain.

**Vapor Permeable** - Foam-Control 50 allows moisture vapor to move through its structure.

**Drying Potential** - Foam-Control 50 rapidly releases absorbed moisture.

**Applications.**

- Precast Concrete Core
- Void Fill
- Flotation
- Protective Packaging

**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.


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### FOAM CONTROL 50 Tech Data

<table>
<thead>
<tr>
<th>Compressive Strength¹,² @ 10% deformation, min.</th>
<th>psi (kPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM D1621</td>
<td>5 (35)</td>
</tr>
<tr>
<td>25°F  °F·ft²·h/Btu (°K·m²/W)</td>
<td>3.6 (0.63)</td>
</tr>
<tr>
<td>40°F  °F·ft²·h/Btu (°K·m²/W)</td>
<td>3.4 (0.60)</td>
</tr>
<tr>
<td>75°F  °F·ft²·h/Btu (°K·m²/W)</td>
<td>3.2 (0.56)</td>
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</tbody>
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<table>
<thead>
<tr>
<th>R-value¹, Thermal Resistance, per inch, ASTM C518</th>
</tr>
</thead>
<tbody>
<tr>
<td>25°F  °F·ft²·h/Btu (°K·m²/W)</td>
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<tr>
<th>k-value Thermal Conductivity, ASTM C518</th>
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<tbody>
<tr>
<td>25°F  Btu·in²/F·ft²·h (W/°K·m)</td>
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<td>40°F  Btu·in²/F·ft²·h (W/°K·m)</td>
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<th>Density, Nominal</th>
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<tbody>
<tr>
<td>ASTM C303</td>
</tr>
<tr>
<td>0.75 (12) (lb/ft³ (kg/m³))</td>
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<thead>
<tr>
<th>Flexural Strength¹, min.</th>
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<tbody>
<tr>
<td>ASTM C203</td>
</tr>
<tr>
<td>10 (69) (psi (kPa))</td>
</tr>
</tbody>
</table>

| Water Vapor Permeance¹ of 1.0 in. thickness, max., perm ASTM E96 | 5.0 |
| Water Absorption¹, volume % ASTM C272       | 0.3 |
| Flame Spread Index ASTM E84                 | <25 |
| Smoke Developed Index ASTM E84              | <450 |
| Maximum long-term use temperature 165°F (74°C) | |
| ASTM C578 Compliance, Type XI               | |