Styrofoam™ Brand Cavitymate™ Plus Extruded Polystyrene Foam Insulation

Durable, Moisture-Resistant Wet Cavity Wall Insulation

FEATURES/BENEFITS

Description
Styrofoam™ Brand Cavitymate™ Plus Insulation* is a moisture-resistant, durable and lightweight extruded polystyrene foam board specifically designed for use in wet cavity wall environments in commercial applications. Sized to fit snugly between wall ties, it is easy to handle, cut and install, saving time and money on the job site. The closed-cell structure of Styrofoam™ Brand Cavitymate™ Plus Insulation boards ensures exceptional long-term thermal performance and high moisture resistance.

Available Sizes

<table>
<thead>
<tr>
<th>Nominal Board Thickness1 (in.)</th>
<th>R-Value2</th>
<th>Board Size (ft.)</th>
<th>Edge Treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>5.0</td>
<td>16 x 96</td>
<td>Square Edge</td>
</tr>
<tr>
<td>1.5</td>
<td>7.5</td>
<td>16 x 96</td>
<td>Butt Edge</td>
</tr>
<tr>
<td>2.0</td>
<td>10.0</td>
<td>16 x 96</td>
<td>Butt Edge</td>
</tr>
<tr>
<td>3.0</td>
<td>15.0</td>
<td>16 x 96</td>
<td>Butt Edge</td>
</tr>
</tbody>
</table>

1 Not all product sizes are available in all regions.
2 R means resistance to heat flow. The higher the R-value, the greater the insulating power. R-values are expressed in ft^2•h•°F/Btu. R-value determined by ASTM C518.

Sustainable Solutions
Styrofoam™ Brand Cavitymate™ Plus Insulation is hydrochlorofluorocarbon (HCFC) free with zero ozone depletion potential. Styrofoam™ Brand insulation products produced in North America contain an average of 20% pre-consumer recycled content certified by UL Environment Inc.

PROPERTIES

Styrofoam™ Brand Cavitymate™ Plus Insulation exhibits the properties and characteristics indicated in Table 2 when tested as represented. Review all instructions and (Material) Safety Data Sheet (M)SDS before use. Please contact DuPont at 1-866-583-2583 when additional guidance is required for writing specifications that include this product.

<table>
<thead>
<tr>
<th>Test Method</th>
<th>Property</th>
<th>Typical Value</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM C518</td>
<td>Thermal Resistance1 per inch @ 75°F mean temp</td>
<td>5.0</td>
<td>ft2•h•°F/Btu, R-value, min.</td>
</tr>
<tr>
<td>ASTM D1621</td>
<td>Compressive Strength2</td>
<td>25</td>
<td>psi, min.</td>
</tr>
<tr>
<td>ASTM C272</td>
<td>Water Absorption</td>
<td>0.3</td>
<td>% by volume, max.</td>
</tr>
<tr>
<td>&lt;0.7</td>
<td>Water Vapor Permeance2</td>
<td>15</td>
<td>perm, max.</td>
</tr>
<tr>
<td>-</td>
<td>Maximum Use Temperature</td>
<td>165</td>
<td>°F</td>
</tr>
<tr>
<td>ASTM D596</td>
<td>Coefficient of Linear Thermal Expansion</td>
<td>3.5 x 10^-3</td>
<td>in/in°F</td>
</tr>
</tbody>
</table>

1 Values are consistent with the criteria of ASTM C578 and the requirements of the FTC R-value rule (16 CFR Part 460). R means resistance to heat flow. The higher the R-value, the greater the insulating power.
2 Vertical compressive strength is measured at 10 percent deformation or at yield, whichever occurs first. Since Styrofoam™ extruded polystyrene insulations are visco-elastic materials, adequate design safety factors should be used to prevent long-term creep and fatigue deformation.
3 Based on 1” thickness.

* Styrofoam™ Brand Cavitymate™ Plus is a former product of The Dow Chemical Company
TESTING

Applicable Standards
Styrofoam™ Brand Cavitymate™ Plus Insulation meets ASTM C578 – Standard Specification for Rigid Cellular Polystyrene Thermal Insulation, which includes:

- C203 – Standard Test Methods for Breaking Load and Flexural Properties of Block-Type Thermal Insulation
- D2126 – Standard Test Method for Response of Rigid Cellular Plastics to Thermal and Humid Aging
- C272 – Standard Test Method for Water Absorption of Core Materials for Structural Sandwich Constructions
- D2842 – Standard Test Method for Water Absorption of Rigid Cellular Plastics

Notice
Styrofoam™ Brand Cavitymate™ Plus Insulation complies with the following codes:

- International Residential Code (IRC) and International Building Code (IBC); see ICC-ES ESR 2142, BOCA-ES RR 21-02
- Underwriters Laboratories, Inc. (UL) Classified, see Classification Certificate D369

Contact your DuPont sales representative or local authorities for state and local building code requirements and related acceptances.

Warranty
In the United States, a 50-year thermal limited warranty is available on Styrofoam™ Brand insulation products 1.5 inches and greater. For thickness less than 1.5 inches, other warranties may apply. Warranties are available as described at building.dupont.com/warranties.

HANDLING

WARNING: For Professional Use Only. Read and follow the entire Safety, Handling, and Storage section and the Safety Data Sheets (SDSs, formerly MSDSs or Material Safety Data Sheets) carefully before use. The information below is designed to protect the user and allow for safe use and handling of DuPont products. Follow all applicable federal, state, local and employer regulations.

Precautionary Statements
- Styrofoam™ Brand Cavitymate™ Plus Insulation is combustible; protect from high heat sources.
- A protective barrier or thermal barrier may be required as specified in the appropriate building code. For more information, consult MSDS, call DuPont at 1-866-583-2583 or contact your local building inspector.
- Since dust would impair the performance of adhesives and finishes, dusty surfaces should be brushed off before products are applied.

Shelf Life and Storage
When stored outdoors, keep insulation boards tarped or covered to protect from weather and weighted down to prevent boards from being blown around by the wind. Store above standing water.

Disposal
Dispose of any residual DuPont product, coated debris, or solvent in accordance with applicable federal, state, and local government regulations.

For more information visit us at styrofoam.com/cavitymate or call 1-866-583-2583

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WARNING: Rigid foam insulation does not constitute a working walkable surface or qualify as a fall protection product.

Building and/or construction practices unrelated to building materials could greatly affect moisture and the potential for mold formation. No material supplier including DuPont can give assurance that mold will not develop in any specific system.