Foam-Control® PLUS+ is an architectural insulation product line having high compressive strength and R-value. Foam-Control PLUS+ is a premium grade insulation manufactured to provide architects, specifiers, distributors, and contractors all the features and benefits inherent in a high quality architectural insulation.

Foam-Control PLUS+ is manufactured under an industry leading quality control program monitored by UL and further recognized in UL Evaluation Report UL ER11812-04.

<table>
<thead>
<tr>
<th>PRODUCT</th>
<th>150</th>
<th>250</th>
<th>400</th>
<th>600</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Compressive Strength</strong>&lt;sup&gt;1,2&lt;/sup&gt; @ 10% deformation, min. ASTM D1621</td>
<td>psi (kPa)</td>
<td>15 (104)</td>
<td>25 (173)</td>
<td>40 (276)</td>
</tr>
<tr>
<td><strong>R-value</strong>&lt;sup&gt;1&lt;/sup&gt;, Thermal Resistance, per inch, ASTM C518</td>
<td>°F-ft&lt;sup&gt;2&lt;/sup&gt;-h/Btu (°K-m&lt;sup&gt;2&lt;/sup&gt;/W)</td>
<td>4.8 (0.85)</td>
<td>5.0 (0.88)</td>
<td>5.0 (0.88)</td>
</tr>
<tr>
<td><strong>Density, Nominal</strong> ASTM C303</td>
<td>lb/ft&lt;sup&gt;3&lt;/sup&gt; (kg/m&lt;sup&gt;3&lt;/sup&gt;)</td>
<td>35 (242)</td>
<td>50 (345)</td>
<td>60 (414)</td>
</tr>
<tr>
<td><strong>Flexural Strength</strong>&lt;sup&gt;1&lt;/sup&gt;, min. ASTM C203</td>
<td>psi (kPa)</td>
<td>35 (242)</td>
<td>50 (345)</td>
<td>60 (414)</td>
</tr>
<tr>
<td><strong>Water Vapor Permeance</strong>&lt;sup&gt;1&lt;/sup&gt; of 1.0 in. thickness, max., perm ASTM E96</td>
<td>perm</td>
<td>2.5</td>
<td>2.5</td>
<td>2.5</td>
</tr>
<tr>
<td><strong>Water Absorption</strong>&lt;sup&gt;3&lt;/sup&gt; volume % ASTM C272</td>
<td>0.3</td>
<td>0.3</td>
<td>0.3</td>
<td>0.3</td>
</tr>
<tr>
<td><strong>Flame Spread</strong> ASTM E84</td>
<td>&lt;25</td>
<td>&lt;25</td>
<td>&lt;25</td>
<td>&lt;25</td>
</tr>
<tr>
<td><strong>Smoke Developed</strong> ASTM E84</td>
<td>&lt;450</td>
<td>&lt;450</td>
<td>&lt;450</td>
<td>&lt;450</td>
</tr>
</tbody>
</table>

| ASTM C578 Compliance, Type | II | IX | XIV | XV |

<sup>1</sup> Please refer to ASTM C578 specification for complete information.

<sup>2</sup> 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.

<sup>3</sup> ASTM C272 24 hour immersion followed by 24 hour storage in 75°F/50%RH air.
Strength.
Foam-Control PLUS+ has high compressive strengths of 15, 25, 40, or 60 psi to meet specific project requirements.

R-value.
Foam-Control PLUS+ has air in its closed cells and therefore has a stable R-value. Many other insulations use blowing agents that cause R-value loss and are harmful to the environment. As temperatures drop, the R-value of Foam-Control PLUS+ increases significantly. Many other insulations lose R-value at low temperatures.

Moisture Resistance.
Foam-Control PLUS+ is manufactured to resist moisture absorption in wetting conditions and release absorbed moisture quickly during drying periods, which means Foam-Control PLUS+ maintains R-value. The drying potential of Foam-Control PLUS+ sets it apart from other insulation materials. The mechanical properties of Foam-Control PLUS+ are not affected by moisture exposure. Foam-Control PLUS+ does not swell with exposure to water.

Weathering.
Long-term exposure to sunlight causes yellowing and a slight embrittlement of the surface due to ultraviolet light. This has little effect on mechanical properties. If stored outdoors, cover Foam-Control PLUS+ with opaque polyethylene film, tarps, or similar material.

Termite Resistant - *GPerform Guard*.  
One of the most destructive forces anywhere is termites. Foam-Control PLUS+ can be manufactured with Perform Guard, a proven and safe additive, that effectively resists termites. Foam-Control PLUS+ with Perform Guard meets ICC ES AC239, “Acceptance Criteria for Termite-Resistant Foam Plastics”.

Resistance to Mold and Mildew.
Foam-Control PLUS+ will not decompose and will not support mold or mildew growth. Foam-Control PLUS+ provides no nutrient value to plants or animals.

Adhesives, Coatings, and Chemicals.
Solvents which attack Foam-Control PLUS+ include esters, ketones, ethers, aromatic, and aliphatic hydrocarbons and their emulsions, among others. If Foam-Control PLUS+ is to be placed in contact with materials (or their vapors) of unknown composition, pretest for compatibility at maximum exposure temperature.

Do not install or use Foam-Control PLUS+ with coal tar pitch, highly solvent-extended mastics, or solvent-based adhesives without adequate separation.

Warranty.
Foam-Control PLUS+ Licensees offer a product warranty ensuring thermal performance, physical properties, and termite resistance.

For further information contact us:
Phone: (800) 277-0967
www.atlasfoamcontrol.com

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Temperature Exposure.
Foam-Control PLUS+ is able to withstand the rigors of temperature cycling, assuring long-term performance. The maximum recommended long-term exposure temperature for Foam-Control PLUS+ is 165°F (74°C).

Flame Retardants.
Although flame retardants present in Foam-Control PLUS+ provide an important margin of safety, all Foam-Control PLUS+ products must be considered combustible.

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