Cavity Wall

Film-Faced Molded Polystyrene Insulation.

Foam-Control® R-SHIELD® is a film-faced insulation with built in code compliant air and weather resistant barrier performance. Foam-Control R-SHIELD is a film-faced insulation manufactured to provide architects, specifiers, distributors, and contractors all the features and benefits inherent in a high quality insulation.

- Air Barrier
- Weather Resistant Barrier
- Low water vapor permeability
- R-value that never changes and is stable over time
- Range of compressive strengths available

Strength/R-value.

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<tr>
<th>Compressive Strength1, psi</th>
<th>R-value/inch²</th>
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<tbody>
<tr>
<td></td>
<td>75°F³</td>
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<tr>
<td>100</td>
<td>10</td>
</tr>
<tr>
<td>130</td>
<td>13</td>
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<tr>
<td>150</td>
<td>15</td>
</tr>
<tr>
<td>250</td>
<td>25</td>
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¹ Compressive strength @ 10% deformation.
² R-value units are °F·ft·h/Blu.
³ Recommended for design in WARM climates.
⁴ Recommended for design in COLD climates.

Foam-Control R-SHIELD is available in a wide range of standard R-values and thicknesses to meet your needs.

R-5, R-7.5, R-10, R-15

Product thicknesses for standard boards are provided in the Foam-Control R-SHIELD Thickness Selector. Project requirements vary, so Foam-Control R-SHIELD can be ordered in any R-value thicknesses to meet your needs.

Proven to meet, or exceed, building codes.

Foam-Control R-SHIELD is manufactured under an industry leading quality control program monitored by UL and further recognized in UL Evaluation Report UL ER11812-01. Foam-Control R-SHIELD meets ASTM C578, “Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation”.

NFPA 285 Assemblies.

A key building code requirement is providing NFPA 285 compliant wall assemblies. Numerous assemblies which include Foam-Control R-SHIELD as an insulation component have successfully passed the rigorous NFPA 285.

FOAM FACTS:

Foam-Control R-SHIELD outperforms XPS.

- Foam-Control R-SHIELD and XPS meet weather resistance barrier requirements
- Foam-Control R-SHIELD provides a stable long-term R-value at a lower cost
- Foam-Control R-SHIELD uses a blowing agent with 10 x lower global warming potential and 10,000 x lower ozone depletion
- Foam-Control R-SHIELD meet strength requirements at a lower cost
- Foam-Control R-SHIELD with GPerform Guard treatment available to provide termite resistance
Performance Value.

When you consider all performance characteristics and cost, Foam-Control R-SHIELD is your best choice for weather resistive barrier insulation.

Foam-Control R-SHIELD 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.

Foam-Control R-SHIELD has compressive strength to meet specific project requirements.

Foam-Control R-SHIELD is manufactured to resist moisture absorption in wetting conditions and release absorbed moisture quickly during drying periods, which means Foam-Control R-SHIELD maintains R-value.

Termite Resistant - Perform Guard®.

One of the most destructive forces anywhere is termites. Foam-Control R-SHIELD can be manufactured with Perform Guard, a proven and safe additive, that effectively resists termites.

Foam-Control R-SHIELD with Perform Guard meets ICC ES AC239, “Acceptance Criteria for Termite-Resistant Foam Plastics”.

Recyclable.

After it’s life as a building insulation, Foam-Control R-SHIELD is 100% recyclable. It can be ground into granules and reincorporated into new Foam-Control R-SHIELD products or it can be thermally processed into a resin that’s used to manufacture other new products.

Ready to take control? Start here.

If you’re ready to have Foam-Control R-SHIELD contribute to your next project, just contact your nearest Foam-Control manufacturer and Technical Sales Representative. They will be happy to give you design consultation, information about Foam-Control R-SHIELD products, pricing, and answers to all of your questions.

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