


Exterior Sheathing

Film-Faced Molded Polystyrene Insulation.

PowerFoam R-Control ThermaShield is a film-faced insulation with built in code compliant air and weather resistant barrier performance. PowerFoam R-Control ThermaShield 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 Resistive Barrier
- Low water vapor permeability
- R-value that never changes and is stable over time
- Range of compressive strengths available

Strength/R-value.

	Compressive Strength ¹ , psi	R-value/inch ²	
		75°F ³	40°F ⁴
100	10	3.9	4.2
130	13	3.9	4.3
150	15	4.2	4.6
250	25	4.4	4.8

¹ Compressive strength @ 10% deformation.

² R-value units are °F·ft²·h/Btu.

³ Recommended for design in WARM climates.

⁴ Recommended for design in COLD climates.

⁵ PowerFoam R-Control ThermaShield is available with a foil face. A foil face exposed to a cavity wall air space provides approximately an additional R-value of 2.0.

PowerFoam R-Control ThermaShield 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 PowerFoam R-Control ThermaShield Thickness Selector. Project requirements vary, so PowerFoam R-Control ThermaShield can be ordered in any R-value thicknesses to meet your needs.

Proven to meet, or exceed, building codes.

PowerFoam R-Control ThermaShield is manufactured under an industry leading quality control program monitored by UL and further recognized in UL Evaluation Report UL ER40338-01. PowerFoam R-Control ThermaShield meets ASTM C578, "Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation".



Stands up to the weather.

When tested in accordance with ASTM C1512, "Standard Test Method for Characterizing the Effect of Exposure to Environmental Cycling on Thermal Performance of Insulation Products" PowerFoam R-Control ThermaShield maintains its R-value and strength after severe exposure to freeze-thaw cycles.



FOAM FACTS:

PowerFoam R-Control ThermaShield outperforms XPS.

- PowerFoam R-Control ThermaShield and XPS meet weather resistance barrier requirements
- PowerFoam R-Control ThermaShield provides a stable long-term R-value at a lower cost
- PowerFoam R-Control ThermaShield uses a blowing agent with 10 x lower global warming potential and 10,000 x lower ozone depletion
- PowerFoam R-Control ThermaShield meet strength requirements at a lower cost
- PowerFoam R-Control ThermaShield with borate treatment available to provide termite resistance

Performance Value.

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

PowerFoam R-Control ThermaShield 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.

PowerFoam R-Control ThermaShield has compressive strength to meet specific project requirements.

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

Termite Resistant.

One of the most destructive forces anywhere is termites. PowerFoam R-Control ThermaShield can be manufactured with borate, a proven and safe additive, that effectively resists termites.

PowerFoam R-Control ThermaShield with borate meets ICC ES AC239, "Acceptance Criteria for Termite-Resistant Foam Plastics".

Recyclable.

After it's life as a building insulation, PowerFoam R-Control ThermaShield is 100% recyclable. It can be ground into granules and reincorporated into new PowerFoam R-Control ThermaShield 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 PowerFoam R-Control ThermaShield contribute to your next project, just contact your PowerFoam Technical Sales Representative. They will be happy to give you design consultation, information about PowerFoam R-Control ThermaShield products, pricing, and answers to all of your questions.

NEED INFORMATION OR A QUOTE



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