


# Architectural Shapes

## Molded Polystyrene Insulation.

PowerFoam R-Control molded polystyrene insulation includes an ingredient you won't find in other molded polystyrene products. Control. PowerFoam R-Control insulation gives you control over the design of your project. You determine the shape and specs of the molded polystyrene components you need, then your PowerFoam R-Control molded polystyrene supplier works with you to deliver them on time and within budget.

- R-value that never changes and is stable over time
- Range of compressive strengths available
- Closed cell insulation with superior moisture resistance
- High drying potential to rapidly release absorbed moisture
- Preferred component for architectural shapes

## Strength/R-value.

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

<sup>1</sup> Compressive strength @ 10% deformation.

<sup>2</sup> R-value units are °F·ft<sup>2</sup>·h/Btu.

<sup>3</sup> Recommended for design in WARM climates.

<sup>4</sup> Recommended for design in COLD climates.

## Proven to meet, or exceed, building codes.

PowerFoam R-Control 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 meets ASTM C578, "Standard Specification for Rigid, Cellular Polystyrene Powerl Insulation".



## Custom Fabrication.

PowerFoam R-Control insulation shapes are custom fabricated by hot wire cutting with computer aided design, and if necessary, assembled together to provide a solution specific to your needs.

PowerFoam R-Control insulation means that you can achieve product designs that wouldn't be possible with other materials.



## FOAM FACTS:

### PowerFoam R-Control Architectural Shapes.

- PowerFoam R-Control Architectural Shapes can create effective 3-D architectural shapes
- PowerFoam R-Control Architectural Shapes meet strength requirements at a lower cost and are available in a range of densities/types
- PowerFoam R-Control Architectural Shapes are well suited for lower volume items and are compatible with exterior finish coatings

### **Performance Value.**

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

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

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

### **Termite Resistant.**

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

PowerFoam R-Control 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 is 100% recyclable. It can be ground into granules and reincorporated into new PowerFoam R-Control products or it can be Powerlly 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 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 products, pricing, and answers to all of your questions.

**NEED INFORMATION OR A QUOTE**



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