

# Architectural Shapes




## Molded Polystyrene Insulation.

Branch River molded polystyrene insulation includes an ingredient you won't find in other molded polystyrene products. Control. Branch River 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 Branch River insulation 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>
100	10	3.9	4.2
130	13	3.9	4.3
150	15	4.2	4.6
250	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.

Branch River insulation is manufactured under an industry leading quality control program monitored by UL and further recognized in UL Evaluation Report UL ER40326-01. Branch River insulation meets ASTM C578, "Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation".



## Custom Fabrication.

Branch River 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. Branch River insulation means that you can achieve product designs that wouldn't be possible with other materials.



## FOAM FACTS: Branch River insulation Architectural Shapes.

- Branch River insulation Architectural Shapes can create effective 3-D architectural shapes
- Branch River insulation Architectural Shapes meet strength requirements at a lower cost and are available in a range of densities/types
- Branch River insulation 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, Branch River insulation is your best choice for foam insulation.

Branch River insulation 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.

Branch River insulation has compressive strength to meet specific project requirements.

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

### **Termite Resistant.**

One of the most destructive forces anywhere is termites. Branch River insulation can be manufactured with borate, a proven and safe additive, that effectively resists termites.

Branch River insulation with borate meets ICC ES AC239, "Acceptance Criteria for Termite-Resistant Foam Plastics".

### **Recyclable.**

After its life as a building insulation, Branch River insulation is 100% recyclable. It can be ground into granules and reincorporated into new Branch River insulation 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 Branch River insulation contribute to your next project, just contact your Branch River Plastics, Inc. Technical Sales Representative. They will be happy to give you design consultation, information about Branch River insulation products, pricing, and answers to all of your questions.



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