

# Cavity Wall

## Molded Polystyrene Insulation.

PowerFoam R-Control molded polystyrene insulation is a cost-effective, durable, and energy efficient solution for cavity wall applications. It is an ideal material to stop energy loss in brick faced residential and commercial masonry and framed walls. PowerFoam R-Control insulation is available in a range of thicknesses to meet your local continuous insulation energy code requirements.

- 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
- Meets NFPA 285 code requirements

## Strength/R-value.

POWERFOAM R-CONTROL	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.

PowerFoam R-Control is available in a wide range of R-values and thicknesses to meet your needs. Product thicknesses are provided in the PowerFoam R-Control Thickness Selector. Project requirements vary, so PowerFoam R-Control can be ordered in any R-value thicknesses to meet your needs.

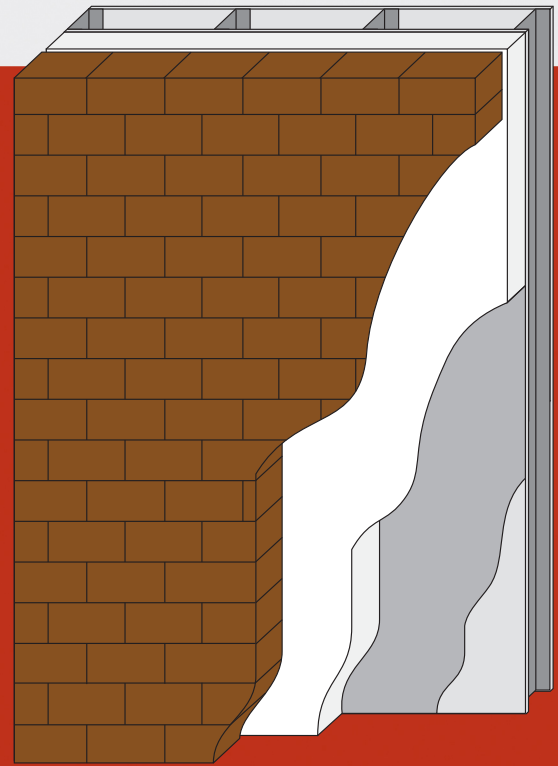
## Proven to meet, or exceed, building codes.

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 PowerInsulation".



## NFPA 285 Assemblies.

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



## FOAM FACTS:

### PowerFoam R-Control outperforms XPS.

- PowerFoam R-Control provides a stable long-term R-value at a lower cost
- PowerFoam R-Control uses a blowing agent with 10 x lower global warming potential and 10,000 x lower ozone depletion
- PowerFoam R-Control meets strength requirements at a lower cost
- PowerFoam R-Control and XPS have resistance to moisture, but PowerFoam R-Control has a higher vapor permeance leading to superior drying potential
- PowerFoam R-Control with borate treatment available to provide termite resistance

### **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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