



**POWERFOAM**  
**R-CONTROL**



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**MOLDED  
POLYSTYRENE  
INSULATION**

# POWERFOAM R-CONTROL PERFORMS IN ALL APPLICATIONS

## From Frost Line to Roof Line.

PowerFoam R-Control is used in a wide range of critical insulation applications: Perimeter, Underslab, Cavity Wall, Wall Sheathing, Precast Concrete Core, Flat/Tapered Roofing, Vegetative Green Roof, Plaza Deck, Drainage Board, and Waterproofing Protection. All of these applications benefit from the exceptional physical properties and wide range of board thicknesses, sizes, and options available with R-Control.

PowerFoam R-Control is engineered to give you the greatest possible control over your project application: from design and timelines, to material cost, and ultimately, control over your results.

- Perimeter/Underslab
- Cavity Wall
- Wall Sheathing
- Precast Concrete Core
- Flat/Tapered Roofing
- Plaza Deck/Vegetative Green Roof
- Drainage Board
- Waterproofing Protection

## With POWERFOAM R-CONTROL, you're in control of your materials.

### • Strength/R-value.

| POWERFOAM<br>R-CONTROL | Compressive Strength <sup>1</sup> ,<br>psi | R-value/inch <sup>2</sup> |      |
|------------------------|--|---------------------------|------|
|                        |  | 75°F                      | 40°F |
| 100                    | 10   | 3.9                       | 4.2  |
| 130                    | 13   | 3.9                       | 4.3  |
| 150                    | 15   | 4.2                       | 4.6  |
| 250                    | 25   | 4.4                       | 4.8  |
| 400                    | 40   | 4.4                       | 4.8  |
| 600                    | 60   | 4.5                       | 4.9  |

<sup>1</sup> Compressive strength @ 10% deformation.  
<sup>2</sup> R-value units are °F·ft<sup>2</sup>·h/Btu.

PowerFoam R-Control is available in a wide range of R-values and thicknesses to meet your needs. 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 Powerl Insulation".



## Sustainability.

PowerFoam R-Control reduces energy use in buildings, helping protect our environment. Well insulated buildings perform better and improve the environment. Life Cycle Analysis (LCA) has shown significant energy savings and substantial reductions in greenhouse gas emissions with the use of PowerFoam R-Control.

The use of PowerFoam R-Control in building construction helps earn credits for green building initiative programs, such as LEED Certification. PowerFoam R-Control does not use ozone depleting blowing agents and is recyclable.

## Fifty year R-value warranty, regardless of thickness or application - the warranty covers it!



## 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.

# POWERFOAM R-CONTROL

## Molded Polystyrene Insulation.

PowerFoam R-Control molded polystyrene insulation is a cost-effective, durable, and energy efficient solution. PowerFoam R-Control is an insulation manufactured to provide architects, specifiers, distributors, and contractors all the features and benefits inherent in a high quality insulation.

**Stable R-value** - PowerFoam R-Control has a R-value that never changes over time.

**Strength** - PowerFoam R-Control comes in compressive strengths of 10, 13, 15, 25, 40, and 60 psi.

**Moisture Resistance** - PowerFoam R-Control is a closed cell polystyrene insulation and is resistant to moisture gain.

**Vapor Permeable** - PowerFoam R-Control allows moisture vapor to move through its structure.

**Drying Potential** - PowerFoam R-Control rapidly releases absorbed moisture.

**When you consider all performance characteristics and cost, POWERFOAM R-CONTROL is your best choice for foam insulation.**

## Performance Value.

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".



## 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

**Product Availability and Support.**

PowerFoam R-Control Insulation is supported by a team of experts who work with you to answer your questions, offer solutions, and do everything they can to make sure your project goes smoothly and ends successfully.

**Ready to take control? Start here.**

If you're ready to have PowerFoam R-Control contribute to your next project, just contact PowerFoam Technical Sales Representative. We 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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