

Concrete Applications

Molded Polystyrene Insulation.

PowerFoam R-Control molded polystyrene insulation is a cost-effective, durable, and energy efficient solution for insulation applications. It is an ideal material to stop energy loss. PowerFoam R-Control insulation for poured-in place and precast concrete systems reduce the requirement for concrete and overall weight. PowerFoam R-Control insulation can be used as: concrete sandwich panel cores, block-outs/knock-outs, void fillers, custom pattern forms, and more.

- 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
- Excellent adhesion to concrete

Strength/R-value.

| POWERFOAM R-CONTROL | 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.

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.

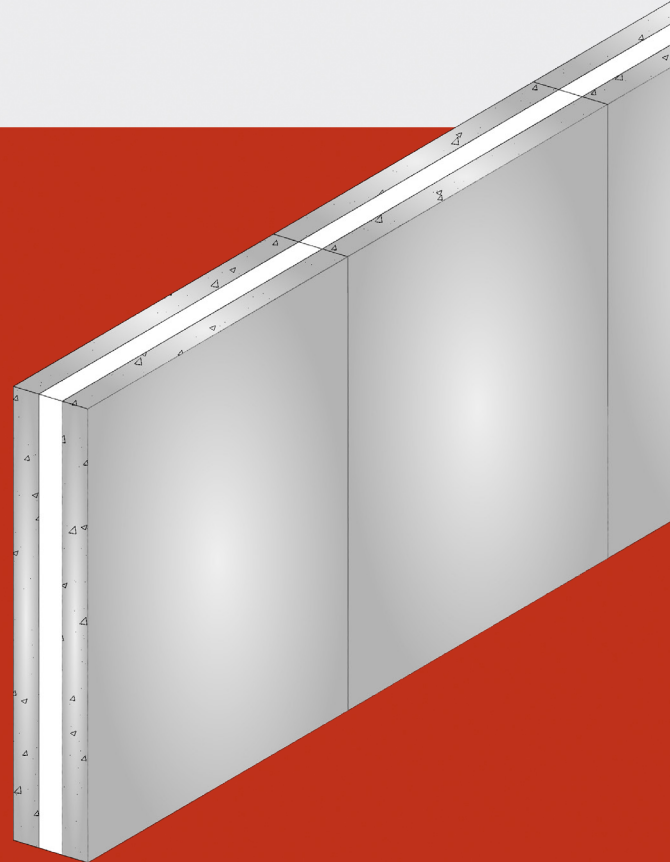
Proven to meet, or exceed, building codes.

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 Powerl Insulation".



Sizes and Shapes.

PowerFoam R-Control insulation can be made in large or small, thick or thin sections. It can be custom cut in sizes ranging from a few square inches up to 3' x 4' x 16'. Patterns for custom projects are easily produced on computer aided cutting equipment.



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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