

WSG

Expanded Polystyrene Insulation.

R-Shield® expanded polystyrene insulation WSG (Wall Specification Grade) is the preferred insulation and architectural shape component for Exterior Insulation and Finish Systems (EIFS).


- R-value that never changes and is stable over time
- Closed cell insulation with superior moisture resistance
- High drying potential to rapidly release absorbed moisture
- Meets code requirements for continuous insulation

Compatibility.

R-Shield insulation WSG is compatible with various EIFS coating types.

- Polymer Modified (PM) systems
- Polymer Base (PB) systems
- Cementitious systems

Strength/R-value.

 R-SHIELD RIGID INSULATION	Compressive Strength¹, psi	R-value²	
		75°F³	40°F⁴
100	10	4.2	4.6

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.



Proven to meet, or exceed, building codes.

R-Shield is manufactured under an industry leading quality control program monitored by UL and further recognized in UL Evaluation Report UL ER40361-01 and ICC ESR-4743. R-Shield meets ASTM C578, “Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation”.

R-Shield insulation WSG meets ASTM E2430, “Standard Specification for Expanded Polystyrene (EPS) Thermal Insulation Boards for Use in Exterior Insulation and Finish Systems (“EIFS”).



FOAM FACTS:

R-Shield outperforms XPS.

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

Performance Value.

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

R-Shield 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.

R-Shield has compressive strength to meet specific project requirements.

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

Termite Resistant.

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

R-Shield is treated to meet ICC ES AC239, "Acceptance Criteria for Termite-Resistant Foam Plastics".

Recyclable.

After it's life as a building insulation, R-Shield is 100% recyclable. It can be ground into granules and reincorporated into new R-Shield 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 R-Shield contribute to your next project, just contact your Premier Building Systems Technical Sales Representative. They will be happy to give you design consultation, information about R-Shield products, pricing, and answers to all of your questions.

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