


PERIMETER/UNDERSLAB

Film-Faced Expanded Polystyrene Insulation.

R-Shield® PLUS is a film-faced insulation with built in code compliant air and weather resistant barrier performance. R-Shield PLUS is a film-faced insulation manufactured to provide architects, specifiers, distributors, and contractors all the features and benefits inherent in a high quality insulation.

- Air Barrier
- Weather Resistive Barrier
- Low water vapor permeability
- R-value that never changes and is stable over time
- Range of compressive strengths available

Strength/R-value.

	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.

⁵ R-Shield PLUS is available with a foil face. A foil face exposed to a cavity wall air space provides approximately an additional R-value of 2.0.

R-Shield PLUS is available in a wide range of standard R-values and thicknesses to meet your needs.

R-5, R-7.5, R-10, R-15

Product thicknesses for standard boards are provided in the R-Shield PLUS Thickness Selector. Project requirements vary, so R-Shield PLUS can be ordered in any R-value thicknesses to meet your needs.

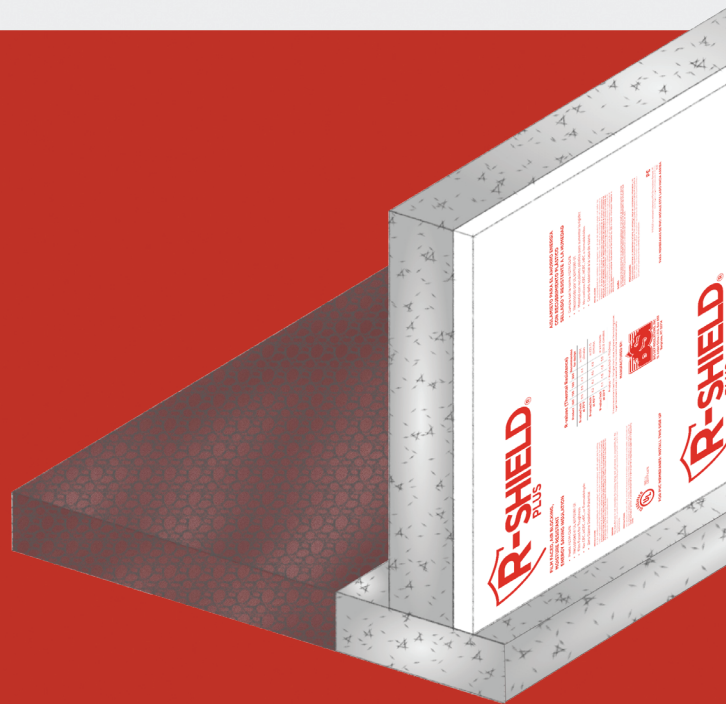
Proven to meet, or exceed, building codes.

R-Shield PLUS 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 PLUS meets ASTM C578, "Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation".



Stands up to the weather.

When tested in accordance with ASTM C1512, "Standard Test Method for Characterizing the Effect of Exposure to Environmental Cycling on Thermal Performance of Insulation Products" R-Shield PLUS maintains its R-value and strength after severe exposure to freeze-thaw cycles.



FOAM FACTS:

R-Shield PLUS outperforms XPS.

- R-Shield PLUS and XPS meet weather resistance barrier requirements
- R-Shield PLUS provides a stable long-term R-value at a lower cost
- R-Shield PLUS uses a blowing agent with 10 x lower global warming potential and 10,000 x lower ozone depletion
- R-Shield PLUS meet strength requirements at a lower cost
- R-Shield PLUS with termite treatment available to provide termite resistance

Performance Value.

When you consider all performance characteristics and cost, R-Shield PLUS is your best choice for weather resistive barrier insulation.

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

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

Termite Resistant.

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

R-Shield PLUS 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 PLUS is 100% recyclable. It can be ground into granules and reincorporated into new R-Shield PLUS 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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