

Cavity Wall

Film-Faced Molded Polystyrene Insulation.

Foam-Control® R-SHIELD® is a film-faced insulation with built in code compliant air and weather resistant barrier performance. Foam-Control R-SHIELD 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.

FOAM-CONTROL R-SHIELD™	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 Foam-Control R-SHIELD 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.

Foam-Control R-SHIELD 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 Foam-Control R-SHIELD Thickness Selector. Project requirements vary, so Foam-Control R-SHIELD can be ordered in any R-value thicknesses to meet your needs.

Proven to meet, or exceed, building codes.

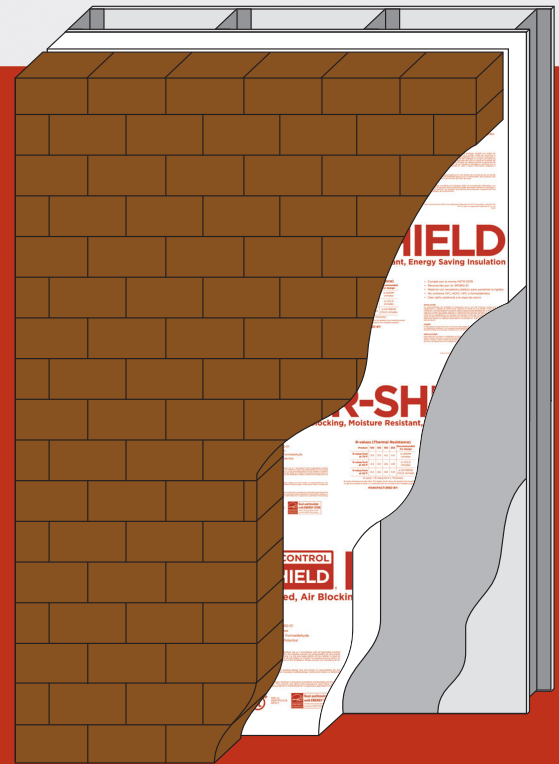
Foam-Control R-SHIELD is manufactured under an industry leading quality control program monitored by UL and further recognized in UL Evaluation Report UL ER11812-01. Foam-Control R-SHIELD meets ASTM C578, "Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation".



NFPA 285 Assemblies.

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

FOAM-CONTROL
R-SHIELD™



FOAM FACTS:

Foam-Control R-SHIELD outperforms XPS.

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

Performance Value.

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

Foam-Control 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.

Foam-Control R-SHIELD has compressive strength to meet specific project requirements.

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

Termite Resistant - Perform Guard®.

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

Foam-Control R-SHIELD with Perform Guard meets ICCES AC239, "Acceptance Criteria for Termite-Resistant Foam Plastics".

Recyclable.

After its life as a building insulation, Foam-Control R-SHIELD is 100% recyclable. It can be ground into granules and reincorporated into new Foam-Control 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 Foam-Control R-SHIELD contribute to your next project, just contact your nearest Foam-Control manufacturer and Technical Sales Representative. They will be happy to give you design consultation, information about Foam-Control R-SHIELD products, pricing, and answers to all of your questions.



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**AIR BARRIER &
WEATHER RESISTIVE
INSULATION**