


Cavity Wall

Film-Faced Molded Polystyrene Insulation.

ThermaFoam R-Control ThermaShield 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

	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 ThermaFoam R-Control ThermaShield 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.

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

Proven to meet, or exceed, building codes.

ThermaFoam R-Control ThermaShield is manufactured under an industry leading quality control program monitored by UL and further recognized in UL Evaluation Report UL ER40338-01. ThermaFoam R-Control ThermaShield 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 ThermaFoam R-Control ThermaShield as an insulation component have successfully passed the rigorous NFPA 285.



ThermaShield



FOAM FACTS:

ThermaFoam R-Control ThermaShield outperforms XPS.

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

Performance Value.

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

ThermaFoam R-Control ThermaShield 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.

ThermaFoam R-Control ThermaShield has compressive strength to meet specific project requirements.

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

Termite Resistant.

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

ThermaFoam R-Control ThermaShield with borate meets ICC ES AC239, "Acceptance Criteria for Termite-Resistant Foam Plastics".

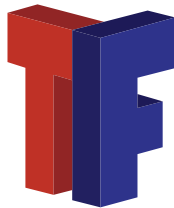
Recyclable.

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

NEED INFORMATION OR A QUOTE



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