

THERMA SHIELD


Roof Recover Board

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. ThermaFoam R-Control ThermaShield 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".



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" ThermaFoam R-Control ThermaShield maintains its R-value and strength after severe exposure to freeze-thaw cycles.



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-Control 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-Control 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 it's 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 nearest ThermaFoam 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.



THERMAFOAM R-CONTROL THERMA SHIELD

Film Faced, Air Blocking, Moisture Resistant, Energy Saving Insulation

- Meets ASTM C578
- Recognized in UL ERI1812-01
- Film Faced for Toughness
- No CFC, HCFC, HFC, or Formaldehyde
- Zero Ozone Depletion Potential

INSTALLATION
It is the installer's responsibility to ensure product use is in accordance with all applicable building codes and regulations. By commencing work, the installer accepts full responsibility for the proper safe installation at his job site. Furthermore, it is the sole responsibility of the installer to meet all federal and local regulatory requirements for job site safety for himself, his workers and any others on the job site while in the execution of all phases of the installation. Please contact the manufacturer for UL Certificate 505, or more information.

DESIGN
The manufacturer is not responsible for building design and will accept no responsibility for the performance of its products resulting from improper building design, construction faults, or defective workmanship.

PRECAUTIONS
This product contains a flame retardant, however, it should be considered combustible and should not be exposed to sources of ignition. This product may ignite when exposed to open flame, sparks, or other sources of ignition. A protective barrier or thermal barrier is required as specified in the building code.

R-values (Thermal Resistance)

Product	100	130	150	250	Recommended for design
R-value/inch at 75°F	3.9	3.9	4.2	4.4	in WARM climates
R-value/inch at 40°F	4.2	4.3	4.6	4.8	in COLD climates
R-value/inch at 25°F	4.4	4.6	4.8	5.0	in EXTREME COLD climates

R-value = R-value/inch x Thickness

R means resistance to heat flow. The higher the R-value, the greater the insulating power. To get the marked R-value, it is essential that the insulation be installed properly.


- Cumple con la norma ASTM C578
- Reconocido por UL ERI1812-01
- Material con recubrimiento plástico para aumentar la rigidez
- No contiene CFC, HCFC, HFC o formaldehídos
- Cero daño potencial a la capa de ozono

INSTALACION
Es responsabilidad del instalador asegurarse que el uso del producto cumple con todos los reglamentos y códigos de construcción vigentes en donde se va a instalar. Antes de comenzar la instalación de este producto el usuario acepta toda la responsabilidad de un entorno adecuado y seguro en el lugar de trabajo. Además, es responsabilidad total del instalador el cumplir con todos los requisitos de los reglamentos federales y locales para la seguridad del sitio en donde se instalará, así como de sus trabajadores y de cualquier otra persona en el lugar de trabajo durante la ejecución de todas las fases de la instalación del producto. Por favor de ser necesario póngase en contacto con el fabricante respecto a cualquier duda sobre el Certificado UL 505 o mayor información respecto a este producto.


DISEÑO
El fabricante de este producto no se hace responsable por el mal diseño de la construcción en donde se instalará el producto, y no aceptará responsabilidad alguna por el desempeño del producto que resulte en el proceso constructivo o en errores de mano de obra.

PRECAUCIONES
Este producto contiene un retardante a la flama, sin embargo, debe ser considerado inflamable y debe de estar expuesto a fuentes de ignición. Este producto puede quemarse cuando es expuesto a flamas, chispas u otras fuentes de ignición. Se requiere una barrera de protección o barrera térmica tal como se especifica en los códigos de construcción.


MANUFACTURED BY:

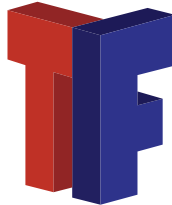


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SEE UL CERTIFICATE





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