

PIPE INSULATION



Expanded Polystyrene Insulation.

R-Shield® expanded polystyrene insulation is a cost-effective, durable, and energy efficient solution for pipe insulation applications in the service range of temperatures from -100°F to 165°F. R-Shield insulation is available in standard and custom cut fabricated profiles to meet your pipe insulation project needs.

R-Shield pipe insulation assists with process control, energy conservation, and personal/equipment protection.

- Low k-factors for your insulation needs
- Lightweight with high strength
- No long-term R-value loss or thermal drift
- No CFC, HCFC, HFC, or formaldehyde
- Easy to fabricate
- Superior moisture resistance

Thermal Conductivity.

R-SHIELD® RIGID INSULATION		100	130	150	200
25°F	Btu·in/°F·ft²·h (W/°K·m)	0.23 (0.033)	0.22 (0.032)	0.21 (0.030)	0.20 (0.029)
40°F	Btu·in/°F·ft²·h (W/°K·m)	0.24 (0.035)	0.24 (0.034)	0.22 (0.032)	0.21 (0.030)
75°F	Btu·in/°F·ft²·h (W/°K·m)	0.26 (0.037)	0.26 (0.037)	0.24 (0.035)	0.23 (0.033)

¹ See R-Shield insulation TechData for additional properties.

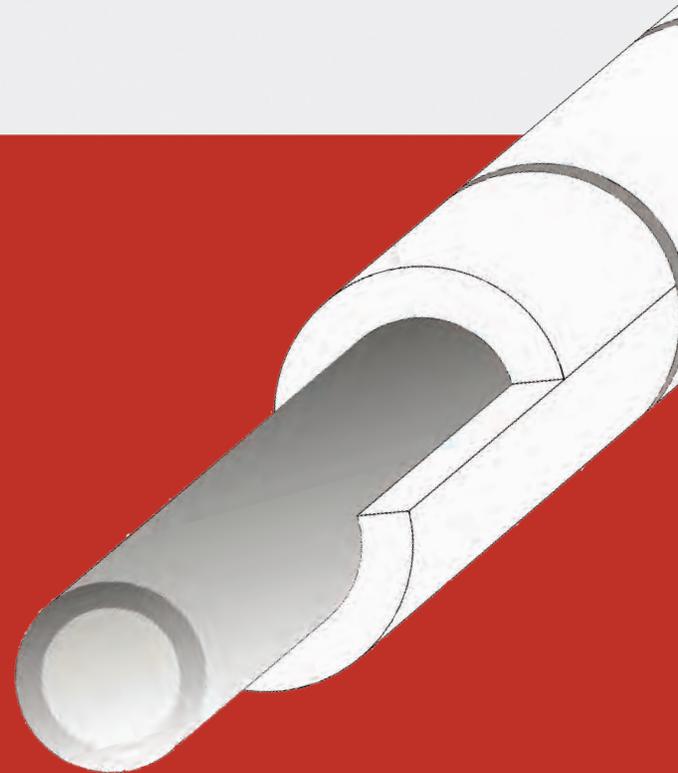
Proven to meet, or exceed, building codes.

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".



Sizes and Shapes.

R-Shield pipe insulation is provided in standard lengths of 36" with custom lengths up to 72". R-Shield insulation thicknesses range from as small as 1/2" up to 12" in double layered applications. Expanded polystyrene pipe insulation is provided in two symmetrical half sections with a butt joint standard or an optional tongue and groove joint.



FOAM FACTS:

R-Shield Pipe Insulation outperforms other pipe insulations.

- R-Shield can easily vary strength, thickness, and size to meet project R-values
- R-Shield can easily be fabricated for any pipe size
- Available with butt joints or an optional tongue and groove joint

Specifications and Installation Guidelines.

R-Shield insulation is well suited for applications involving the insulation of pipelines carrying fluids within the temperature range of -100°F to 165°F. R-Shield insulation should be covered to protect against UV exposure.

Low temperature pipelines are susceptible to water vapor condensation on the surface of insulating materials. Water condensation on the surface of all insulations should be avoided. Proper design will prevent premature failures and results of lost insulation efficiency. In order to achieve optimum performance, a vapor barrier or jacketing is always necessary on the outer surface of all low temperature application.

Recyclable.

After it's life as a pipe 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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