

Polyiso Roof Assemblies




Molded Polystyrene Insulation.

Variable thickness flat stock or fabricated Tru-R molded polystyrene insulation can be used in numerous configurations with Polyiso roof insulation (below, between, above) achieving optimum function and cost. Tru-R insulation is cost-effective, durable, energy efficient, and easily fabricated making the production of custom tapers, crickets, saddles, flute filler, and flat stock ideal to use in combination with Polyiso insulation.

- Cost effective roof insulation
- R-value that never changes and is stable over time
- Range of compressive strength available
- Provides economical one-step tapered roof system
- Custom crickets and saddles are fast to install

Tru-R is available in a wide range of R-values and thicknesses to meet your needs. Product thicknesses are provided in the Tru-R Thickness Selector. Project requirements vary, so Tru-R can be ordered in any R-value thicknesses to meet your needs.

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.

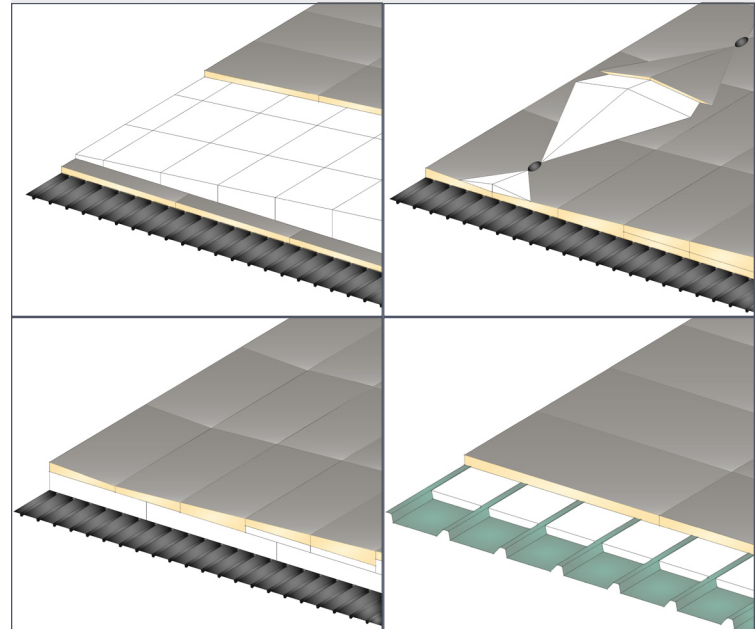
Proven to meet, or exceed, building codes.

Tru-R is manufactured under an industry leading quality control program monitored by UL and further recognized in UL Evaluation Report UL ER40266-01. Tru-R meets ASTM C578, "Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation".



Sizes and Shapes.

- Tru-R insulation flat stock is typically provided in 4' x 8' or 4' x 4' boards with custom thickness from 1/2" to 12".
- Tapered Tru-R insulation is typically provided in 4' x 4' boards with various sloped taper as specified.
- Tru-R insulation crickets and saddles are available custom designed to your project requirements.
- Tru-R insulation flute filler is available custom designed to your deck requirements.



FOAM FACTS:

Tru-R for use with Polyiso insulation.

- Molded polystyrene is compatible with Polyiso insulation
- Molded polystyrene can easily vary strength, thickness, and size
- Molded polystyrene can easily be fabricated for tapering
- Molded polystyrene can easily be fabricated into crickets and saddles
- Molded polystyrene allows for more design possibilities

Performance Value.

When you consider all performance characteristics and cost, Tru-R is your best choice for foam insulation.

Tru-R 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.

Tru-R has compressive strength to meet specific project requirements.

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

Termite Resistant.

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

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

Recyclable.

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



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