


VEGETATIVE ROOFS

A lightweight, easy to install insulation and fill material for Vegetative Roofs.

R-Shield® Geofoam is a cost effective, durable, time saving, and light weight insulation and fill solution for vegetative roof designs. Vegetative roofs add weight for soil/growing medium, planters, pavers, plantings, etc. on the structural roof deck. R-Shield Geofoam reduces weight resulting in a more economical structural roof deck and provides insulation that results in energy savings.

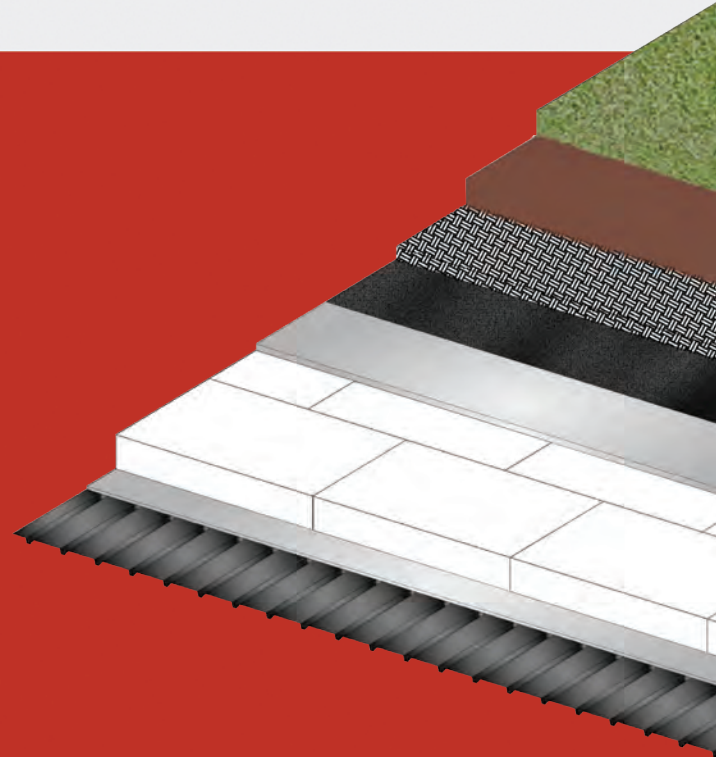
- Super lightweight compared to other fills
- Allows for mixing intensive and extensive designs
- Easy fabrication for landscaping contours
- Provides insulation performance

Compressive Resistance/R-value.

 R-SHIELD® GEOFOAM	Compressive Resistance @ 1% deformation	R-value/inch @ 75°F
12	2.2 psi 320 psf (15 kPa)	3.1 °F·ft²·h/Btu (0.55 °K·m²/W)
15	3.6 psi 520 psf (25 kPa)	3.6 °F·ft²·h/Btu (0.63 °K·m²/W)
19	5.8 psi 840 psf (40 kPa)	3.8 °F·ft²·h/Btu (0.67 °K·m²/W)
22	7.3 psi 1050 psf (50 kPa)	4.0 °F·ft²·h/Btu (0.70 °K·m²/W)
29	10.9 psi 1570 psf (75 kPa)	4.2 °F·ft²·h/Btu (0.70 °K·m²/W)
39	15.0 psi 2160 psf (103 kPa)	4.2 °F·ft²·h/Btu (0.74 °K·m²/W)
46	18.6 psi 2680 psf (128 kPa)	4.3 °F·ft²·h/Btu (0.76 °K·m²/W)

Sizes and Shapes.

R-Shield Geofoam can be made in large or small, thick or thin sections. It can be custom cut in sizes ranging from a few square inches up to 3' x 4' x 16'. Shop drawings for custom projects are easily produced on computer aided cutting equipment.



FOAM FACE-OFF:

Choosing R-Shield geofoam over other insulation and fill materials for vegetative roof designs

- Geofoam can easily vary strength, thickness, and size
- Geofoam arrives ready to place in all weather conditions
- Geofoam is the best value lightweight and insulation fill material
- Geofoam blocks add very little weight to the roof deck
- Geofoam can be fabricated to create more landscape design possibilities

Proven to meet, or exceed, building codes.

R-Shield Geofoam 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 D6817, "Standard Specification for Rigid, Cellular Polystyrene Geofoam."



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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