

# **R-SHIELD<sup>®</sup>**

## **GEOFOAM**



**LIGHTWEIGHT  
FILL MATERIAL**

# YOU'RE IN CONTROL OF YOUR GEOTECHNICAL SOLUTIONS WITH R-SHIELD® GEOFOAM

## Materials. Labor. Costs. R-Shield® Geofoam means control, not compromise.

R-Shield Geofoam is engineered to give you the greatest possible control for your project application: from design and timelines, to materials and costs, and —ultimately—control over your results. The advantages to using R-Shield Geofoam include:

- Predictable material behavior
- Manufactured to meet ASTM D6817
- Variety of Types to meet specific project requirements
- Super lightweight compared to other fills
- Inert in long-term burial conditions, no leachates
- Easily shaped in field or supplied prefabricated
- Borate termite protection available
- Cost effective solution
- Long-lasting, strong, and stable

## This looks like a job for Geofoam.

In the construction industry, R-Shield Geofoam is among the most versatile lightweight materials available. Traditional earth materials are heavy and can cause settlement, instability or lateral pressures. Other fill materials such as foamed concrete, waste tires, soil, woodchips, wood fiber, etc., have higher densities and are variable in their makeup. They also have limitations in handling and can be weather sensitive, thus requiring staged construction and/or preloading, surcharging and draining, etc.

## Size and Shape.

R-Shield Geofoam is produced in block form and is easily positioned at the work site.

Standard sizes:

- 4' (1.2 m) widths
- 8' (2.4 m) up to 16' (4.8 m) lengths
- 3" (75 mm) to 30" (760 mm) thickness

Custom sizes and fabrication are available to meet any project.

## GeoGripper® Plate.

The R-Shield GeoGripper Plate is a galvanized steel multi-barbed connector. It is used to restrain rigid foam moving laterally in “layer over layer” applications. Its single piece/two-sided barb design allows for excellent connection between layers in a one-step application.



## Ready to Install.

R-Shield Geofoam maximizes onsite installation efficiency: material arrives ready to place, no weather delays, material can be prefabricated or cut at the jobsite, no staging required, material can be inventoried, production efficiency improved, and it is easy to handle.

## WITH R-SHIELD GEOFOAM, YOU'RE THE MASTER OF YOUR MATERIALS.

## 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.”



## Termite Resistant.

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



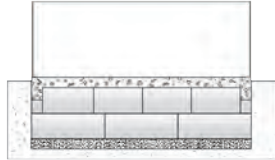
# R-SHIELD GEOFOAM

R-Shield Geofoam Solves Problems for these Common Applications:

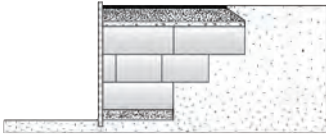
## Lightweight Roads



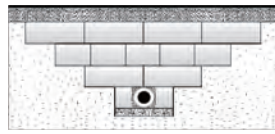
## Foundations



## Retaining



## Weight Reduction for Utilities



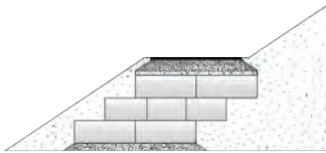
## Bridge Abutments



## Weight Reduction for Structures



## Side Hills



## Elevation Changes/ Stadium Seating



## FOAM FACTS:

R-Shield Geofoam outperforms other fill material.

- Extremely lightweight to reduce lateral or bearing loads
- Predictable engineered performance
- Various Types available to meet project specific strength requirements
- Can be installed in various weather conditions
- R-Shield allows for more design possibilities
- R-Shield with borate treatment available to provide termite resistance



## Product Availability and Support.

R-Shield Geofoam is supported by a team of experts who work with you to answer your questions, offer solutions, and do everything they can to make sure your project goes smoothly and ends successfully.

## 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.

A PRODUCT OF  
**PREMIER**  
BUILDING SYSTEMS



[www.rshieldinsulation.com](http://www.rshieldinsulation.com) | 800-766-3626

Copyright © 2022. R-Shield is a registered trademark of Premier Building Systems. RSG F04-08/22