


# Vegetative Roofs

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

Hawaii Construction Foam 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. Hawaii Construction Foam Geofoam reduces weight resulting in a more economical structural roof deck and provides insulation that results in energy savings.

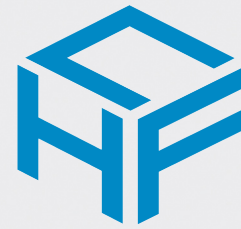
- Super lightweight compared to other fills
- Allows for mixing intensive and extensive designs
- Easy fabrication for landscaping contours
- Provides insulation performance

### Compressive Resistance/R-value.

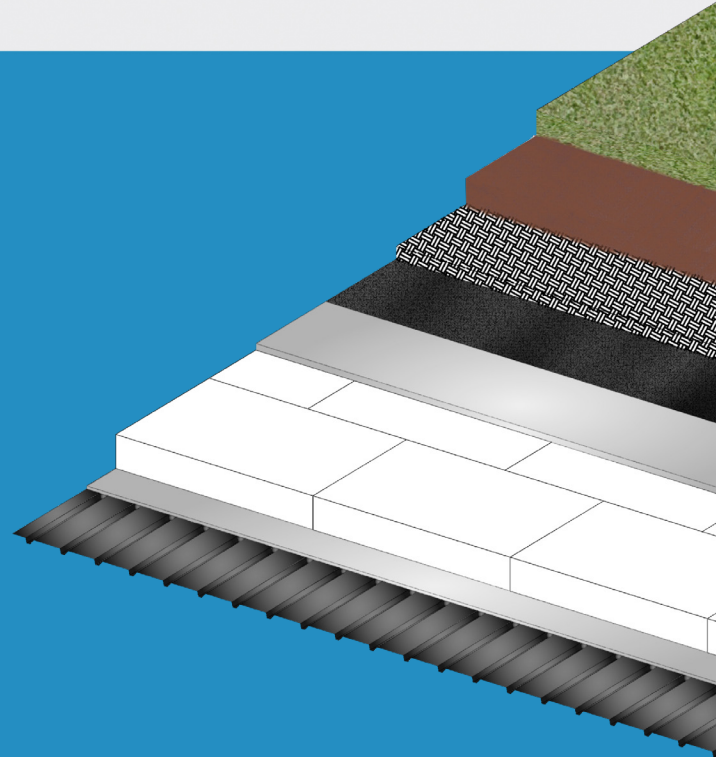
 HAWAII CONSTRUCTION FOAM	Compressive Resistance @ 1% deformation	R-value/inch @ 75°F
12	2.2 psi 320 psf (15 kPa)	3.1 °F·ft <sup>2</sup> ·h/Btu (0.55 °K·m <sup>2</sup> /W)
15	3.6 psi 520 psf (25 kPa)	3.6 °F·ft <sup>2</sup> ·h/Btu (0.63 °K·m <sup>2</sup> /W)
19	5.8 psi 840 psf (40 kPa)	3.8 °F·ft <sup>2</sup> ·h/Btu (0.67 °K·m <sup>2</sup> /W)
22	7.3 psi 1050 psf (50 kPa)	4.0 °F·ft <sup>2</sup> ·h/Btu (0.70 °K·m <sup>2</sup> /W)
29	10.9 psi 1570 psf (75 kPa)	4.2 °F·ft <sup>2</sup> ·h/Btu (0.70 °K·m <sup>2</sup> /W)
39	15.0 psi 2160 psf (103 kPa)	4.2 °F·ft <sup>2</sup> ·h/Btu (0.74 °K·m <sup>2</sup> /W)
46	18.6 psi 2680 psf (128 kPa)	4.3 °F·ft <sup>2</sup> ·h/Btu (0.76 °K·m <sup>2</sup> /W)

### Sizes and Shapes.

Hawaii Construction Foam 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.



HAWAII CONSTRUCTION FOAM



## FOAM FACE-OFF: Choosing Hawaii Construction Foam 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.

Hawaii Construction Foam Geofoam is manufactured under an industry leading quality control program monitored by UL and further recognized in UL Evaluation Report UL ER40267-01. Hawaii Construction Foam meets ASTM D6817, "Standard Specification for Rigid, Cellular Polystyrene Geofoam."



## Ready to take control? Start here.

If you're ready to have Hawaii Construction Foam contribute to your next project, just contact your nearest Hawaii Construction Foam manufacturer and Technical Sales Representative. They will be happy to give you design consultation, information about Hawaii Construction Foam products, pricing, and answers to all of your questions.



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**LIGHTWEIGHT  
FILL MATERIAL**