

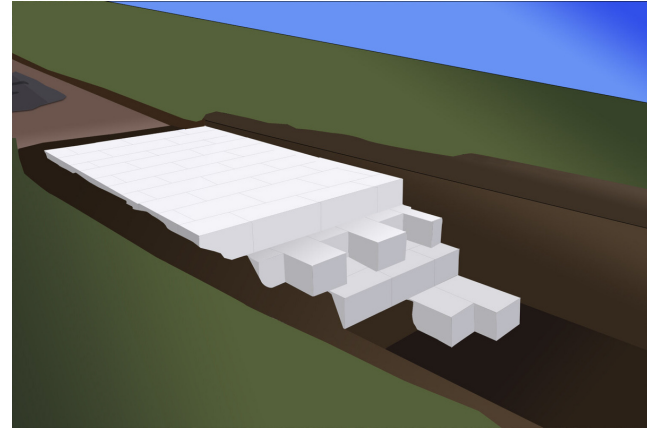
ShelterFoam Geof foam 46

Enterprises, Inc

EPS Type 46

ShelterFoam Geof foam - Type 46

ShelterFoam Geof foam 46 is an engineered, light weight geosynthetic fill material manufactured from premium closed-cell Expanded Polystyrene (EPS.) ShelterFoam Geof foam 46 provides superior compressive strength and dimensional stability for a wide range of geotechnical projects . In addition it meets or exceeds the highest standards under ASTM C578 and D6817 for EPS and is recognized by the International Code Council Evaluation Services (ICC-ES.).



ADVANTAGES

- **Lightweight:** significantly lighter than soil
- **Mold and Mildew Resistant:** Does NOT support growth
- **Insect repellent:** EPA additive added during manufacturing process to deter insects
- **Water Resistant:** Underlying closed-cell properties will not readily absorb water from environment
- **Code Conforming:** Manufactured from UL and FM approved raw materials. Recognized by ICC-ES
- **Environment Friendly:** No off-gassing and does NOT contain HFSc, CFCs, or HCFCs
- **Testing:** Independent 3rd party certification and testing

APPLICATIONS

- Roads and highways
- Bridge abutments
- Retaining structures
- Concrete slab build-up
- Loading docks and ramps
- Plaza Decks
- Buried utilities protection
- Landscaping
- Berms and embankments

Shelter Geof foam EPS Type 46			
Physical Properties		Shelter EPS 46	Test Method
Nominal Density	lb/ft ³ (kg/m ³)	2.85 (45.7)	C303
Compressive Resistance (1%)	Min PSI	18.6	D1621
Compressive Resistance (5%)	Min PSI	43.5	D1621
Compressive Resistance (10%)	Min PSI	50	D1621
Flexural Strength	Min PSI	75.0	C203
Water Absorption	% Volume*	0.0%	C272
Water Absorption	% Weight	<1.0	C272
Dimension Stability	% Change	<2.0%	D2126
Buoyancy Force	lb/ft	59.5	-
Elastic Modulus	Min PSI	1,860	-
Oxygen Index	% Volume	24%	D2863

*Data is based on XPS water absorption testing. Results indicated XPS swelled, while EPS drained and maintained shape

SIZES AND CUSTOMIZATION

Lightweight and easy to cut custom shapes and sizes for any application

- Stock lengths & widths: 1' x 8', 2' x 8, 4' x 8'
- Stock thicknesses: 1/4" to 54"
- Custom sizes (length, width, thickness) available
- Tapered sheets available
- Gripper plates available

FOR ADDITIONAL RESOURCES VISIT OUR WEBSITE: WWW.SHELTER-ENT.COM



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