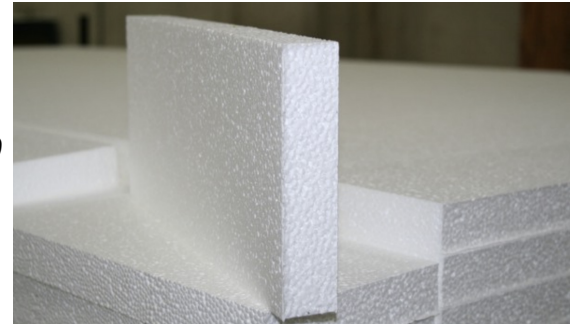


# ShelterFoam 100 PSI

Enterprises, Inc

## RIGID BOARD INSULATION/CONCRETE BUILD-UP

*ShelterFoam 100* is an engineered, high-performance rigid board used for insulation and build-up applications. Manufactured from premium closed-cell Expanded Polystyrene (EPS), it's properties are light-weight and mold/mildew/insect resistant. *ShelterFoam 100* provides superior compressive strength, R-Value, and dimensional stability for a wide range of projects and applications. *ShelterFoam 100* 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

- **Stable R-Values:** R-Value maintained through entire product life without thermal drift
- **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 HFCs, CFCs, or HCFCs
- **Testing:** Independent 3rd party certification and testing
- **LEED:** Qualifies for LEED credits

## APPLICATIONS

- Below grade foundation insulation
- Exterior wall insulation
- Roof / plaza deck insulation
- Concrete slab build-up
- Void fill
- Freezers and cold storage insulation
- Pool / Spa panels & covers
- General use

FOR ADDITIONAL RESOURCES VISIT OUR WEBSITE: [WWW.SHELTER-ENT.COM](http://WWW.SHELTER-ENT.COM)

ShelterFoam 100 PSI			
Physical Properties		ShelterFoam	Test Method
Nominal Density	lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	5.00	C303
R-Value (Per Inch)	@ 25°F @40°F @75°F	5.10 5.05 5.00	C518/ C177
Compressive Resistance (10%)	MIN PSI	100	D1621
Flexural Strength	MIN PSI	140	C203
Water Vapor Permeability	Max Per Inch	2.5	E96
Water Absorption	% Volume*	0.0%	C272
Water Absorption	% Weight	2.0%	C272
Dimension Stability	% Change	2.0%	D2126
Oxygen Index	% Volume	24.0%	D2863
Flame Spread	-	25	E84
Smoke Developed	-	150-300	E84

\*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 thickness: 1/4" to 12"
- Custom sizes (length, width, thickness) available
- Tapered sheets available
- CNC profile cutting



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