

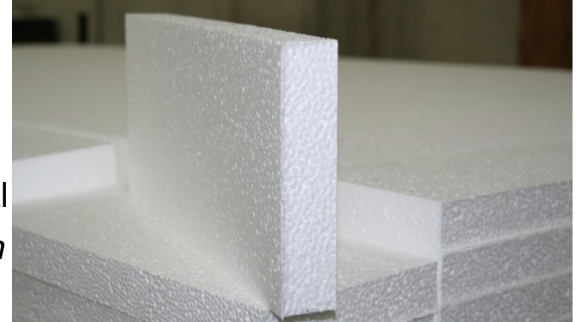
# ShelterFoam EPS Type II

Enterprises, Inc

Density 1.5#

## ShelterFoam EPS Type II

ShelterFoam 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 provides superior compressive strength, R-Value, and dimensional stability for a wide range of projects and applications. ShelterFoam 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

- Cold Chain Packaging
- Consumer Products Packaging
- OEM Component Packaging
- Freezers and cold storage insulation
- Pool / Spa panels & covers
- General use

ShelterFoam EPS Type I Properties			
Physical Properties		ShelterFoam	Test Method
Nominal Density	lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	1.50 (24.0)	C303
R-Value (Per Inch)	@ 25°F @40°F @75°F	4.8 4.6 4.2	C518/ C177
Compressive Resistance (10%)	MIN PSI	15.0 - ASTM C578 19.0 - ASTM D6817	D1621
Flexural Strength	MIN PSI	35.0	C203
Water Vapor Permeability	Max Per Inch	3.5	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	-	<20	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 thicknesses: 1/4" to 54"
- Custom sizes (length, width, thickness) available
- Tapered sheets available
- CNC profile cutting

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



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