

TECHNICAL DATA

Typical Physical Properties

Sheet sizes:	1/2" x 4' x 8' to 16' lengths
	3/8" x 4' x 8' to 16' lengths
	1" x 4' x 8' to 16' lengths
	1-1/2" x 4' x 8' to 16' lengths
	2" x 4' x 8' to 16' lengths
	Custom Thickness and Length Available

Product Composition

Core – EPS (expanded polystyrene)

Faces – Aluminum Foil / Aluminum Foil with fiberglass scrim reinforcement

Aluminum Foil / White Aluminum Foil with fiberglass scrim reinforcement

Surface Emissivity—ASTM E408 (foil)	.03
Flame Spread Index – ASTM E84 (EPS foam)	25
Smoke Development – ASTM E84 (EPS foam)	300
Puncture Resistance (psi) ,ASTM D 774	90
Tensile – lbs., ASTM C1136	1.9 – 2.8
Water Vapor Transmission -ASTM E96 (grains/hr ft ² in Hg)	.02
Fungus Resistance/ Mold Growth C665/C1338	None
Useable Temperature –40 to +170	

Preliminary Test Results

System R-Values (5/8" material deg. F ft² hr/Btu)

ASTM C1363 Guarded Hot Box w/ 3.5" Airspace and 1/2" drywall finish both sides

Roof, Heat Downward	12.3
Roof, Heat Upward	7.5
1" Foil/Foil in 2x4 wall cavity, Horizontal	8.5
Reflectivity	.97

Please consult local code for any thermal barrier requirements for EPS foam sheet material. The fire rating in no way indicates an approval to use RigidBoard alone or in conjunction with other materials to obtain a rated burn time for a wall or partition.

R-value means resistance to heat flow. The higher the R-value the greater the insulating value.