



EPS Foam Insul Board

EPS Foam Insul Board is an Expanded Polystyrene closed-cell rigid insulation board. EPS Foam Insul Board has reflective foil moisture barrier facings on both sides.

Because the EPS board contains hundreds of millions of densely packed air cells it provides excellent thermal performance. It's also virtually impervious to moisture, preventing loss of R-value due to moisture penetration. The 2lb pcf density makes the board extremely durable which provides 25psi compressive strength. The product's built-in rigidity means it can be scored and snapped, cut, or sawed with common tools.

APPLICATIONS:

- Exterior and Interior Walls
- Roofing Systems
- HVAC Duct Work**
- Below Grade Foundations
- Under Concrete Slabs
- Refrigeration Panels

HVAC DUCT WORK - Application

EPS Foam Insul Board is an ideal insulation product for exposed rooftop heating and cooling air ducts and equipment.

BENEFITS:

- The 25psi compressive strength rating and superior rigidity prevents insulation sagging and top of duct water "pooling". Use of edge/corner protection is also eliminated.
- The outer reflective foil facing allows exceptional adhesion with secondary insulation cladding products for weather protection.
- The closed-cell structure of the core is extremely moisture resistant in addition to the foil moisture barrier encapsulating both sides of the foam.
- Easy and Precise cutting and fabrication of the product due to the board's rigidity. The product can easily be scored and snapped saving labor time.



EPS Foam Insul Board w/Foil Facing

1-888-75-METRO

TYPICAL PROPERTIES

ASTM C578-95	Units	
Nominal Density	per cubic foot	2.0lb
Density Range	Lb per cubic foot	1.80 – 2.20
k factor @40 deg. F	BTU/hr. (sq.ft.)(F/in.)	0.21
k factor @75 deg. F	BTU/hr. (sq.ft.)(F/in.)	0.23
R Value @40 deg. F (per inch)	per inch of thickness	4.76
R Value @75 deg. F (per inch)	per inch of thickness	4.35
Compressive Deformation @10%	per square inch	25
Flexural Strength	per square inch	50
Tensile	per square inch	23
Shear	per square inch	33
Shear Modulus	per square inch	600
Elastic Modulus	per square inch	1090
Water Vapor Permeance (Max @1")		0.6
Water Absorption (Max Volume)		<2.0%
Capillary Action		None
Coefficient of Thermal Expansion	in./(in.)(F)	0.000035
Maximum Service Temperature	Long Term, degrees F	167
Maximum Service Temperature	Intermittent, degrees F	180
Oxygen Index (minimum)		24%
Dimensional Stability (Max)	% change	2.00%
Flame Spread		<20
Smoke Spread		150 to 300

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