

**EPS Foam Board (Expanded Polystyrene) Type Data**

Expanded Polystyrene (EPS) Foam Boards are an integral part of an EIFS system. Available in various thicknesses, flat or grooved, EPS Foam Boards provide insulative qualities as well as drainage capabilities for moisture release systems.

**INSULATION BOARD PROPERTIES**

- Meets or exceeds physical and thermal property standards as established in ASTM C 578

Physical Properties	Type I	Type II
Compressive Resistance at 10% Strain Deformation (2" cube)	10.0 psi	15.0 psi
Flexural Strength	25.0 psi	35.0 psi
Thermal Resistance (R-Value)* 75 ± 2° F (24 ± 1° C); 40 ± 2° F (4.4 ± 1° C)	3.85 Min R / 1" Thickness 4.17	4.17 Min R / 1" Thickness 4.55
Thermal Conductivity (K-Value)* 75 ± 2° F (24 ± 1° C) 40 ± 2° F (4.4 ± 1° C)	0.260 BTU/(hr) (Sq.Ft.) (F/in.) 0.240 BTU/(hr) (Sq.Ft.) (F/in.)	0.240 BTU/(hr) (Sq.Ft.) (F/in.) 0.220 BTU/(hr) (Sq.Ft.) (F/in.)
Coefficient of Thermal Expansion	0.000035 In/(In)/(F)	0.000035 In/(In)/(F)
Moisture Resistance Water Vapor Permeability of 1" (25.4 mm) thickness max perm	4.0 % by Volume 5 Max perm	3.0 % by Volume 3.5 Max perm
Oxygen Index	24.0 Min volume %	24.0 Min volume %
Dimensional Stability (Change in dimensions)	2.0 Max %	2.0 Max %
Max. Service Temperature Long Term / Intermittent	167 / 180 F	167 / 180 F
Flame Spread Smoke Developed	15 @ 6"; 95-125	5 @ 4"; 2-235
Density, min / Density, nominal Min lb/ft <sup>3</sup> Nominal lb/ft <sup>3</sup>	0.90 1.0	1.35 1.5



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