



Physical Properties

PHYSICAL PROPERTIES OF INJECTION-MOLDED EPS

Property	ASTM Test	Result
Closed-cell Foam Density (nominal)	C303	1.25lb/ft
Closed-cell Foam Density (minimum)	C303	1.15lb/ft
Compressive Resistance at 10% Strain Deformation	D1621,C165,C203	13.0psi (90kPa)
Flexural Strength	D1621,C165,C203	30.0psi (208kPa)
Thermal Conductivity (R-Value) at 75°F±2°F	C177,C518	R4.45/in
Water Absorption by Total Immersion (Moisture Resistance)	C272	3% by volume
Water Vapor Permeability (Class III Vapor Retarder)	E96	3.5perm/in
Capillarity	---	none
Maximum Service Temperature (long term)	---	167°F = 75 Celsius (°C)
Maximum Service Temperature (intermittent)	---	180°F = 82 Celsius (°C)
Flame Spread	E84-81A	5 @ 4"
Smoke Developed	E84-81A	105-190

COPOLYMER STUD FASTENER AND ADHESION

Property	ASTM	Result
#6 1¼in Standard Drywall Screws Pull Out (Fastener Withdrawal)	D1761-06	211lb/ft
#6 1¼in Standard Drywall Screws Shear (Lateral Screw Resistance)	D1761-06	403lb/ft
Adhesion of PL Premium Adhesive and Stud (Peak Stress)	D4541-02	108psi (972ps/lf)

DIMENSIONS OF PANELS

Panel	Size	Depth
UX 2.0	48in x 24in	2in
EXi 2.5	48in x 24in	2.5in