



# CREATIVE FOAM

## SHEATHING

**Creative Foam Sheathing is made with closed-cell, lightweight expanded polystyrene (EPS) which meets the testing and performance criteria of ASTM C578, Standard Specification for Rigid Cellular Polystyrene Thermal Insulation. Our sheathing can be manufactured to various panel sizes and thicknesses with multiple facer options including foil for its reflective thermal properties. Creative Foam Sheathing may contribute toward additional LEED® credits.**

PHYSICAL PROPERTIES OF EXPANDED POLYSTYRENE			ASTM C578						
Property			Type XI	Type I	Type VIII	Type II	Type IX	Type XIV	Type XV
<b>Minimum Density</b>		lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	0.72 (12)	.90 (15)	1.15 (18)	1.35 (22)	1.8 (29)	2.40 (38)	3.00 (48)
<b>Thermal Resistance</b> R-Value per inch	ASTM C518	25°F 40°F 75°F	3.50 3.30 3.10	4.35 4.17 3.85	4.55 4.25 3.92	4.76 4.55 4.17	5.00 4.76 4.35	5.05 4.85 4.50	5.10 5.05 4.60
<b>Compressive Strength</b> @ 10% deformation, min.	ASTM D1621	psi k(Pa)	5.0 (35)	10.0 (69)	13.0 (90)	15.0 (104)	25.0 (173)	40.0 (276)	60.0 (414)
<b>Flexural Strength, min.</b>	ASTM C203	psi k(Pa)	10.0 (69)	25.0 (173)	30.0 (208)	35.0 (242)	50.0 (345)	60.0 (414)	75.0 (517)
<b>Water Vapor Permeance</b> (max. perm., 1")	ASTM E96		5.0	5.0	3.5	3.5	2.5	2.5	2.5
<b>Water Absorption</b> (max % vol.)	ASTM C2972		4.0	4.0	3.0	3.0	2.0	2.0	2.0
<b>Cabillarity</b>			none	none	none	none	none	none	none
<b>Flame Spread</b>	ASTM E84		< 25	< 25	< 25	< 25	< 25	< 25	< 25
<b>Smoke Developed</b>	ASTM E84		< 450	< 450	< 450	< 450	< 450	< 450	< 450
<b>Max. Service Temperature</b>	Long Term Intermittent	°F °F	167 180	167 180	167 180	167 180	167 180	167 180	167 180



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