

# Physical Properties

## LightGUARD®

<b><u>Attributes</u></b>	<b><u>Value</u></b>	<b><u>Test</u></b>
Extruded Polystyrene	Type VI	ASTM C 578
Tongue & Groove Long Edges		
Latex Modified Concrete Face	3/8" (10mm)	
Finished Overall Dimensions	24" wide (610 mm) 48" long (1219 mm) 2.375" thick (61 mm) for 2" foam 3.375" thick (86 mm) for 3" foam	
Weight	4.5 lbs./ ft <sup>2</sup> (22 kg/m <sup>2</sup> )	
R-Value	5/inch of foam	ASTM C 518
Thermal Conductivity	0.2	
Compressive Strength (Foam Insulation)	40 lbs./in <sup>2</sup> (275.6 kPa)	ASTM D 1621
Point Loading (1" x 1")	450 lbs./in <sup>2</sup> (3101 kPa)	
Water Absorption	<0.1	ASTM D 2842
2" Steel Ball Drop	Slight Indentations <0.05 (1.3mm)	FM4470
Freeze/Thaw	750 Cycles	ASTM C 666 "B"
Permeability	0.8	ASTM E

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