

Physical Properties

LightGUARD®

| <u>Attributes</u> | <u>Value</u> | <u>Test</u> |
|---|---|--------------------|
| 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 ² (22 kg/m ²) | |
| R-Value | 5/inch of foam | ASTM C 518 |
| Thermal Conductivity | 0.2 | |
| Compressive Strength (Foam Insulation) | 40 lbs./in ² (275.6 kPa) | ASTM D 1621 |
| Point Loading (1" x 1") | 450 lbs./in ² (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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