

Physical Properties of SilverBoard® Graphite

Standard	Physical Property	Test Result
ASTM C518	R Value /1-inch @ 75°F RSI /25mm @ 24°C	R 4.5 0.78 m ² .°C/W
ASTM C518	R Value/1-inch @0°F RSI/25mm @-18°C	R 5.4 1.00m ² .°C/W
ASTM E96	Water Vapour Permeance	0.77 perm 44 ng/Pa.s.m ²
ASTM E96 Perforated	Water Vapour Permeance	157 ng/Pa.s.m ²
ASTM D2126	Dimensional Stability (% linear change)	Length: -0.18 Width: -0.15
ASTM C203	Flexural Strength (PSI) Flexural Strength (kPa)	26 PSI 180 kPa
ASTM C272	Water Absorption (% by volume)	0.18
ASTM D2863	Limiting Oxygen Index (%)	<24
CAN/ULC S102.2	Flame Spread 155	Smoke Developed 340