

POWERWOOL

RigiBoard™ ONE

Physical Properties Data Sheet

PowerWool RigiBoard ONE is a continuous, non-structural and non-combustible rigid mineral wool insulation sheathing board designed to increase the effective thermal value of exterior walls. With compression strength more than 50% greater than the leading competitive product, **RigiBoard ONE** is an ideal choice for heavy-duty claddings and structures.



Approved per
CCMC Listing #14061-L
& CAN/ULC S702-09

CHARACTERISTIC	RESULT	TEST STANDARD
Density	10 lbs/ft ³ (160 kg/m ³)	CAN/ULC S702-09
Compression Resistance	971 psf (46.5 kPa) @ 10% Deformation	ASTM C165
Compressive Resistance of Draining Insulation	906 psf (43.4 Kpa) @ 10% Deformation	CAN/ULC S702-09
Thermal Resistance	R value/inch @ 75°F = 3.8 ft ² F/Btu RSI value/25.4 mm @ 24°C = 0.7 m ² K/W	ASTM C518 ASTM C518
Water Vapour Permeance, Desiccant Method	1380 ng/Pa.s.m ² (24.2 perm) (at 4" of thickness)	CAN/ULC S702-09/ASTM E96
Non-Combustibility	Pass	CAN/ULC S114-05
Surface Burning Characteristics	Flame Spread Classification = 0 (Pass) Smoke Developed = 5 (Pass)	CAN/ULC S102 CAN/ULC S102
Smolder Resistance	Mean Mass Loss, % = 0 (Pass) Mass Loss Each Specimen, % = 0 (Pass)	CAN/ULC S129-15 CAN/ULC S702-14
Fungi Resistance	Pass	CAN/ULC S702-09/ASTM C1338
Corrosiveness	Pass	CAN/ULC S702-09/ASTM 665
Acoustic Performance	Thickness	125 Hz 250 Hz 500 Hz 1000 Hz 2000 Hz 4000 Hz NRC
	1.5 inch	0.19 0.84 0.90 0.90 0.87 0.96 0.90
	2 inch	0.30 0.92 0.90 0.92 0.88 0.91 0.90

Tested in accordance with CAN/ULC standards.

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