

PowerWool™

RIGIBOARD™ ONE

R4/in

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 for use in
Canada and the USA

CHARACTERISTIC	RESULT	TEST STANDARD
Density	9 lbs/ft ³ (140 kg/m ³)	CAN/ULC S702
Compression Resistance	689 psf (33 kPa) @ 10% Deformation	ASTM C165-07 (2017)
Thermal Resistance	R value/inch @ 75°F = 4 ft ² F/Btu (min)* RSI value/25.4 mm @ 24°C = 0.70 m ² K/W (min)	ASTM C518-17 ASTM C518-17
Maximum Service Temperature	Hot Surface Performance: 1200°F (650°C)	ASTM C411
Non-Combustibility	Pass	CAN/ULC S114-05 (2018)
Surface Burning Characteristics	Flame Spread Classification = 0 (Pass) Smoke Developed = 0 (Pass)	CAN/ULC S102-16 CAN/ULC S102-16
Smolder Resistance	Mean Mass Loss, % = 0 (Pass) Mass Loss Each Specimen, % = 0 (Pass)	CAN/ULC S129-15
Water Vapour Permeance, Desiccant Method	2029 ng/Pa.s.m ² (35.6 perm) (at 38mm (1.5") thickness)	ASTM E96M-16
Water Vapor Sorption	0.05%	ASTM C1104-13A
Water Absorption	0.11% by volume / 0.88% by weight	ASTM C209-14
Fungi Resistance	Pass	ASTM C1338-08
Corrosiveness	Pass	ASTM C665-17
Dimensional Stability/ Linear Shrinkage	Pass	ASTM C356-17

* Like most exterior rigid insulations, thermal values may decrease up to 1% per inch of thickness.

EVALUATED TO:		
CAN/ULC S702 Type 1 Compliant	ASTM C612 Type IVB Compliant	
CAN/ULC S102 FSI: 0 SDI: 0	ASTM E84 FSI: 0 SDI: 0	
CAN/ULC S114 Classified Non-Combustible	ASTM E136 Classified Non-Combustible	
ASTM C1338 Does not support fungi growth.		



Approved
per CCMC Listing
#14061-L & CAN/ULC
S702.1-14 R2021



⚠ For exterior use only. Not for interior walls.

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