

PowerWool[™]

RIGIBOARD[™] 80

R4.2/in

Physical Properties Data Sheet


PowerWool[™] RigiBoard[™] 80 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 40% greater than the leading competitive product, **RigiBoard[™] 80** is an ideal choice for lightweight claddings and structures including combustible assemblies.



Approved for use in
Canada and the USA

CHARACTERISTIC	RESULT	TEST STANDARD
Density	8 lbs/ft ³ (128 kg/m ³)	CAN/ULC S702
Compression Resistance	616 psf (29.5 kPa) @ 10% Deformation	ASTM C165-07 (2017)
Thermal Resistance	R value/inch @ 75°F = 4.2 ft ² F/Btu (min)* RSI value/25.4 mm @ 24°C = 0.74 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
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	 FILE: B1124	
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.

PowerWool Insulation Inc. has no control over the workmanship, design of installation, accessories used with or conditions of application, and as such we do not warranty the performance or results of any installation containing PowerWool Insulation Inc.'s products.

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