

RigiBoard™ PRO MAX R4/in

Physical Properties Data Sheet

PowerWool™ RigiBoard™ PRO MAX is a continuous, non-structural and non-combustible rigid mineral wool insulation sheathing board designed to increase the effective thermal value of exterior walls. RigiBoard™ PRO MAX is an ideal choice for heavy-duty claddings and structures.



Approved for use in
Canada and the USA

CHARACTERISTIC	RESULT	TEST STANDARD
Density	11 lbs/ft ³ (176 kg/m ³)	CAN/ULC S702.1
Compression Resistance	755 psf (36 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	0.09% by volume / 0.64% by weight	ASTM C209-14
Fungi Resistance	Pass	ASTM C1338-08
Corrosiveness	Pass	ASTM C665-17
Dimensional Stability / Linear Shrinkage	Pass	ASTM C356-17
Acoustic Performance	125Hz 250Hz 500Hz 1000Hz 2000Hz 4000Hz NRC SAA	ASTM C423-23 ASTM E795-23
	1.5" 0.22 0.70 0.90 0.93 0.91 0.98 0.85 0.86	
	2" 0.34 0.84 0.90 0.91 0.91 0.95 0.90 0.89	
	3" 0.63 0.79 0.83 0.91 0.95 1.07 0.85 0.88	
	4" 0.69 0.66 0.76 0.84 0.90 1.01 0.80 0.81	

EVALUATED TO:	
CAN/ULC S702.1 Type 1 Compliant	ASTM C612 Type IVB Compliant
CAN/ULC S102 FSI: 0 SDI: 0	ASTM E84 (UL 723) FSI: 0 SDI: 0
CAN/ULC S114 Classified Non-Combustible	ASTM E136 Classified Non-Combustible
ASTM C1338 Does not support fungi growth.	



FILE: B1124

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



ⓘ For exterior use only. Not for interior walls.

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