POWERWOOL™
MINERAL WOOL INSULATION

powerwoolinsulation.com
107-3757 190th St, Surrey, BC Canada V3Z 0P6
T 604-542-9926 | TF 1-877-337-2802 | F 604-542-9927

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/ft³ (176 kg/m³)	CAN/ULC S702.1
Compression Resistance	755 psf (28 kPa) @ 10% Deformation	ASTM C165-07 (2017)
Thermal Resistance	R value/inch @ 75°F = 4 ft² F/Btu (min)* RSI value/25.4 mm @ 24°C = 0.70 m²K/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.m² (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	See table below	ASTM C423-23 ASTM E795-23

	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	NRC	SAA
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.	

QAI C US
FILE: B1124

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

CCMC ÉVALUATION 14061-L

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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