

Rigiboard™ PRO MAX

Physical Properties Data Sheet

R4/in



PowerWool™ Rigiboard™ PRO MAX is a high-density rigid mineral wool insulation board designed for commercial exterior wall assemblies requiring enhanced compressive strength while providing fire resistance, moisture tolerance, and long-term thermal performance.



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 (36 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		ASTM C423-23 ASTM E795-23

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

! For exterior use only. Not for interior walls.

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.	


C FILE: B1124



Suitable for substitution in approved ASTM E119
1-hour and 2-hour fire-rated wall assemblies and
approved NFPA 285 exterior wall assemblies.*

*Per Priest & Associates Engineering Evaluation Letter EEL-11851 Rev. 2.

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