

Curtainboard™ 40

Physical Properties Data Sheet



PowerWool™ Curtainboard™ 40 is a semi-rigid mineral wool insulation board designed for curtain wall systems, providing dependable fire protection, thermal performance, and long-term durability.



Approved for use in
Canada and the USA

CHARACTERISTIC	RESULT	TEST STANDARD
Compliance	Mineral Fiber Block and Board Thermal Insulation - Compliant Mineral Fiber Thermal Insulation for Buildings - Compliant	ASTM C612 CAN/ULC S702.1
Reaction to Fire	Flame spread index = 0; Smoke developed index = 0 Flame spread index = 0; Smoke developed index = 0 Determination of Non Combustibility of Building Materials - Non Combustible Behaviour of materials at 750°C - Non Combustible	ASTM E84 (UL 723*, NFPA 255*) CAN/ULC S102 CAN/ULC S114 ASTM E136
Density	4 lbs/ft³ (64 kg/m³) - Actual Density	ASTM C303
Dimensional Stability	Linear Shrinkage = Pass @1200°F (650°C)	ASTM C356
Corrosion Resistance	Corrosion of Steel - Passed	ASTM C665
Thermal Resistance	R-Value / inch @ 75°F RSI value / 25.4 mm @ 24°C	4.2 hr.ft².F/Btu 0.74 m²K/W ASTM C518
Reaction to Moisture	Moisture Sorption - Pass Water Vapor Transmission, Desiccant Method - 1670ng/Pa.s.m² (29 perm) Determination of Fungi Resistance - Passed	ASTM C1104 ASTM E96 ASTM C1338
Dimensions	1" (25.4 mm) to 8" (203.2 mm) in ½" increments 16" x 48" (406 mm x 1219 mm) 24" x 48" (610 mm x 1219 mm) 36" x 48" (914 mm x 1219 mm)	

Note: Tested per ASTM E84, which is functionally equivalent to UL 723 and NFPA 255.



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.

! For exterior use only. Not for interior walls.

EVALUATED TO:		 FILE: B1124
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.		

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