POWERWOOL™
MINERAL WOOL INSULATION

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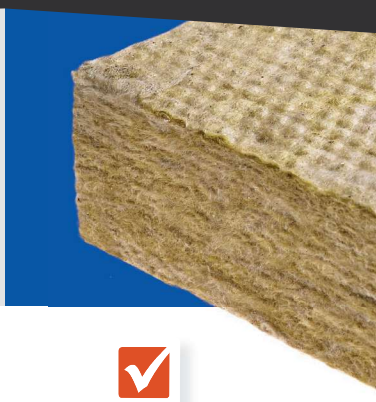

Curtainboard™ 40

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 Combustability 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/ft^3 (64 kg/m^3) - Actual Density	ASTM C303
Dimensional Stability	Linear Shrinkage = Pass @1200°F (650°C)	ASTM C356
Corrosion Resistance	Corrosiveness to Steel - Pass Corrosiveness to Aluminum - Pass	ASTM C665
Thermal Resistance	R-Value / inch @ 75°F — 4.2 hr.ft^2.F/Btu RSI value / 25.4 mm @ 24°C — 0.74 m^{2}K/W	ASTM C518
Reaction to Moisture	Moisture Sorption - Pass Water Vapor Transmission, Desiccant Method - 1670ng/Pa.s.m^2 (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)	
Acoustic Performance	See table below	ASTM C423-23 ASTM E795-23

	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	NRC	SAA
2"	0.21	0.73	1.09	1.03	0.94	0.95	0.95	0.96
3"	0.38	1.08	1.17	1.02	0.95	0.96	1.05	1.06

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:	
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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FILE: B1124

PowerWool does not control the design or workmanship of any installation, the accessories used, or the conditions of application and therefore does not warrant installation performance or results. Information in this data sheet is believed to be accurate and is provided solely for evaluation and verification; except for any express written warranty, it creates no additional warranty or guarantee. For Canadian sales, the applicable entity is PowerWool Insulation Inc. (107-3757 190th St., Surrey, BC V3Z 0P6); for U.S. sales, the applicable entity is PowerWool Insulation USA Inc. (114 W. Magnolia St., 4th Floor #136, Bellingham, WA 98225).