

Curtainboard™ 80

Physical Properties Data Sheet

PowerWool™ CurtainBoard™ 80 is a rigid exterior mineral wool insulation material for increased fire protection in curtain wall systems.



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) CAN/ULC S102 CAN/ULC S114 ASTM E136
Density	8 lbs/ft³ (128 kg/m³) - Nominal	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	1½" (38 mm) to 6" (152.4 mm) in ½" increments 16" x 48" (406 mm x 1219 mm) 24" x 48" (610 mm x 1219 mm)	
Acoustic Performance	125Hz 250Hz 500Hz 1000Hz 2000Hz 4000Hz NRC SAA	ASTM C423-23 ASTM E795-23
	1.5" 0.09 0.47 0.97 1.04 0.99 0.98 0.85 0.88	
	2" 0.26 0.88 1.12 1.06 0.99 1.00 1.00 1.01	
	2.5" 0.39 1.06 1.15 1.06 1.02 1.07 1.05 1.06	
	3" 0.57 1.12 1.14 1.03 1.02 1.02 1.10 1.07	
	4" 0.76 1.13 1.09 1.03 1.01 1.04 1.05 1.06	

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



For exterior use only.
Not for interior use.

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