

PowerWool™ CURTAINBOARD™ HD 80



Physical Properties Data Sheet

PowerWool™ CurtainBoard™ HD 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	
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) CAN/ULC S102 CAN/ULC S114 ASTM E136	
Density	8 lbs/ft ³ (128 kg/m ³) - Nominal	ASTM C303	
Dimensional Stability	Linear Shrinkage = Pass @1200°F (650°C)	ASTM C356	
Corrosion Resistance	Stress Corrosion Cracking Tendency of Austenitic Stainless Steel - Passed Corrosion of Steel - Passed	ASTM C795 ASTM C665	
Thermal Resistance	R-Value / inch @ 75°F RSI value / 25.4 mm @ 24°C	4.2 hr.ft ² .F/Btu 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	1½" (38 mm) to 6" (152.4 mm) in ½" increments 24" x 48" (610 mm x 1219 mm)		

EVALUATED TO:			
CAN/ULC S702 Type 1 Compliant	ASTM C612 Type IVB Compliant	 FILE: B1124	 For exterior use only. Not for interior use.
CAN/ULC S102 FSI: 0 SDI: 0	ASTM E84 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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