

Cavityboard™ HD

Physical Properties Data Sheet

PowerWool™ Cavityboard™ HD is a continuous, non-structural and non-combustible semi-rigid mineral wool insulation sheathing board designed to increase the effective thermal value in exterior cavity wall and rainscreen applications. With a consistent density throughout, the product has no need to be placed in a certain direction.



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	6 lbs/ft³ (100 kg/m³) - Actual	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 1219mm) 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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