

# PowerWool™

## 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

CHARACTERISTIC	RESULT	TEST STANDARD
Compliance	Mineral Fiber Thermal Insulation for Buildings - Type 1 Compliant	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	6 lbs/ft <sup>3</sup> (100 kg/m <sup>3</sup> )	CAN/ULC S702.1
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 <sup>2</sup> .F/Btu 0.74 m <sup>2</sup> K/W ASTM C518
Reaction to Moisture	Moisture Sorption - Pass Water Vapor Transmission, Desiccant Method - 1670ng/Pa.s.m <sup>2</sup> (29 perm) Determination of Fungi Resistance - Passed	ASTM C1104 ASTM E96 ASTM C1338
Dimensions	1" (25.4 mm) to 6" (152.4 mm) in 1/2" increments 24" x 48" (610 mm x 1219 mm)	

\* Like most exterior rigid insulations, thermal values may decrease up to 1% per inch of thickness.

EVALUATED TO:			
CAN/ULC S701.1-14(2019)	Type 1 Compliant	ASTM C1338	Does not support fungi growth.
CAN/ULC S102	FSI: 0 SDI: 0	ASTM E84	FSI: 0 SDI: 0
CAN/ULC S114	Classified Non-Combustible	ASTM E136	Classified Non-Combustible



For exterior use only.  
Not for interior walls.

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