

Curtainboard™

Physical Properties Data Sheet



PowerWool™ CurtainBoard™ 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

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	3.5 lbs/ft³ (56 kg/m³) - Actual Density	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 hr.ft².F/Btu 0.70 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	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	<table><tr><td></td><td>125Hz</td><td>250Hz</td><td>500Hz</td><td>1000Hz</td><td>2000Hz</td><td>4000Hz</td><td>NRC</td><td>SAA</td></tr><tr><td>2"</td><td>0.16</td><td>0.68</td><td>1.05</td><td>1.03</td><td>0.97</td><td>0.93</td><td>0.95</td><td>0.93</td></tr><tr><td>3"</td><td>0.33</td><td>1.11</td><td>1.15</td><td>1.02</td><td>0.98</td><td>0.94</td><td>1.05</td><td>1.06</td></tr></table>		125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	NRC	SAA	2"	0.16	0.68	1.05	1.03	0.97	0.93	0.95	0.93	3"	0.33	1.11	1.15	1.02	0.98	0.94	1.05	1.06	ASTM C423-23 ASTM E795-23
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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	Type 1 Compliant	ASTM C612	Type IVA Compliant
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.		

PowerWool Insulation Inc. has no control over the workmanship, design of installation, accessories used with or conditions of application, and as such we do not warranty the performance or results of any installation containing PowerWool Insulation Inc.'s products.

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