

ROXUL CAVITYROCK®

Cavity Wall and Rainscreen Insulation

Product Description & Application

ROXUL CAVITYROCK® is a semi-rigid, mineral wool insulation board designed for exterior cavity wall and rainscreen applications.

	Performance	Test Standard																																
Compliance	Mineral Fiber Block and Board Thermal Insulation - Type IVB Compliant Mineral Fiber Thermal Insulation for Buildings, Type 1 Compliant MEA Approval, New York City Approval	ASTM C612 CAN/ULC S702 236 - 05 - M																																
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 (thickness ≤ 2")	Monolithic Density of 4.4 lbs/ft ³ (70 kgs/m ³)	ASTM C303																																
Density (thickness ≥ 2.5")	Dual Density - 6.2 lbs/ft ³ (100 kgs/m ³) outer layer and 4.1 lbs/ft ³ (65 kgs/m ³) inner layer	ASTM C303																																
Corrosion Resistance	Stress Corrosion Cracking Tendency of Austenitic Stainless Steel - Passed Corrosion of Steel - Passed	ASTM C795 ASTM C665																																
Thermal Resistance (thickness ≤ 2")	R-Value / inch @ 75°F 4.2 hr.ft ² .F/Btu RSI value / 25.4mm @ 24°C 0.74 m ² K/W	ASTM C518 (C177)																																
Thermal Resistance (thickness ≥ 2.5")	R-Value / inch @ 75°F 4.3 hr.ft ² .F/Btu RSI value / 25.4mm @ 24°C 0.76 m ² K/W	ASTM C518 (C177)																																
Reaction to Moisture	Moisture Sorption - 0.07% Water Vapor Transmission, Desiccant Method - 1555ng/Pa.s.m ² (27 perm) Determination of Fungi Resistance - Passed	ASTM C1104 ASTM E96 ASTM C1338																																
Thickness Dimensions	1" (25.4mm) to 6" (152.4mm) offerings 24"x48" (610mm x 1219mm) and 16"x48" (406mm x 1219mm)																																	
Acoustical Performance	<table border="1"> <thead> <tr> <th>Thickness</th> <th>125 Hz</th> <th>250 Hz</th> <th>500 Hz</th> <th>1000 Hz</th> <th>2000Hz</th> <th>4000 Hz</th> <th>NRC</th> </tr> </thead> <tbody> <tr> <td>1.5"</td> <td>1.19</td> <td>0.55</td> <td>1.03</td> <td>1.06</td> <td>1.02</td> <td>1.01</td> <td>0.9</td> </tr> <tr> <td>2"</td> <td>0.26</td> <td>0.71</td> <td>1.14</td> <td>1.09</td> <td>1.04</td> <td>1.03</td> <td>1</td> </tr> <tr> <td>3"</td> <td>0.72</td> <td>0.93</td> <td>0.88</td> <td>0.84</td> <td>0.9</td> <td>0.97</td> <td>0.9</td> </tr> </tbody> </table>	Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000Hz	4000 Hz	NRC	1.5"	1.19	0.55	1.03	1.06	1.02	1.01	0.9	2"	0.26	0.71	1.14	1.09	1.04	1.03	1	3"	0.72	0.93	0.88	0.84	0.9	0.97	0.9	ASTM C423
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