

## 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: 1", 1.5") Density (thickness: 2")	Monolithic Density of 5.3 lbs/ft <sup>3</sup> (85 kgs/m <sup>3</sup> ) Monolithic Density of 4.4 lbs/ft <sup>3</sup> (70 kgs/m <sup>3</sup> )	ASTM C303 ASTM C303							
Density (thickness ≥ 2.5")	Dual Density - 6.2 lbs/ft <sup>3</sup> (100 kgs/m <sup>3</sup> ) outer layer and 4.1 lbs/ft <sup>3</sup> (65 kgs/m <sup>3</sup> ) 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 <sup>2</sup> .F/Btu RSI value / 25.4mm @ 24°C                0.74 m <sup>2</sup> K/W	ASTM C518 (C177)							
Thermal Resistance (thickness ≥ 2.5")	R-Value / inch @ 75°F                      4.3 hr.ft <sup>2</sup> .F/Btu RSI value / 25.4mm @ 24°C                0.76 m <sup>2</sup> K/W	ASTM C518 (C177)							
Reaction to Moisture	Moisture Sorption - 0.07% Water Vapor Transmission, Desiccant Method - 1555ng/Pa.s.m <sup>2</sup> (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	Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000Hz	4000 Hz	NRC	ASTM C423
	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	

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