

## ROXUL CURTAINROCK®

## Insulation for Curtain Wall Systems

### Product Description & Application

ROXUL CURTAINROCK® is a semi rigid, mineral wool insulation board designed for backpan systems in curtain wall applications.

	Performance	Test Standard																																
Compliance	Mineral Fiber Block and Board Thermal Insulation - Type IVA Compliant	ASTM C612																																
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 Test for Non-Combustibility - Non Combustible Hot Surface Performance - 1200°F	ASTM E84 (UL 723) CAN/ULC S102 CAN/ULC S114 ASTM E136 ASTM C411																																
Density	Actual Density - 3.5 lbs/ft³ (56 kgs/m³)	ASTM C303																																
Dimensional Stability	Linear Shrinkage - < 2 % @ 1200°F	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                      4.2 hr.ft².F/Btu RSI value / 25.4mm @ 24°C                0.74 m²K/W	ASTM C518 (C177)																																
Reaction to Moisture	Moisture Sorption - 0.01% Water Vapor Transmission, Desiccant Method - 1805ng/Pa.s.m² (32 perm) Determination of Fungi Resistance - Passed	ASTM C1104 ASTM E96 ASTM C1338																																
Thickness Dimensions	Product is available in 1" through 5" offerings (25.4mm - 127mm) 24"x48" (610mm 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>2"</td> <td>0.26</td> <td>0.68</td> <td>1.12</td> <td>1.1</td> <td>1.03</td> <td>1.04</td> <td>1</td> </tr> <tr> <td>3"</td> <td>0.63</td> <td>0.95</td> <td>1.14</td> <td>1.01</td> <td>1.03</td> <td>1.04</td> <td>1.05</td> </tr> <tr> <td>4"</td> <td>1.03</td> <td>1.07</td> <td>1.12</td> <td>1.04</td> <td>1.07</td> <td>1.08</td> <td>1.1</td> </tr> </tbody> </table>	Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000Hz	4000 Hz	NRC	2"	0.26	0.68	1.12	1.1	1.03	1.04	1	3"	0.63	0.95	1.14	1.01	1.03	1.04	1.05	4"	1.03	1.07	1.12	1.04	1.07	1.08	1.1	ASTM C423
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