

## ROXUL ROCKBOARD® 80

## Commercial Multi-Purpose Board

### Product Description & Application

ROXUL ROCKBOARD® 80 is a rigid, multi-purpose mineral wool insulation board.

	Performance	Test Standard																								
Compliance	Mineral Fiber Block and Board Thermal Insulation - Type IVB 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 Hot Surface Performance - 1200°F	ASTM E84 (UL 723) CAN/ULC S102 CAN/ULC S114 ASTM C411																								
Density	Actual Density - 8 lbs/ft <sup>3</sup> (128 kgs/m <sup>3</sup> )	ASTM C303																								
Dimensional Stability	Linear Shrinkage - <1% @ 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                      4.0 hr.ft <sup>2</sup> .F/Btu RSI value / 25.4mm @ 24°C                0.70 m <sup>2</sup> K/W	ASTM C518 (C177)																								
Reaction to Moisture	Moisture Sorption - 0.05% Determination of Fungi Resistance - Passed	ASTM C1104 ASTM C1338																								
Compressive Strength	439psf (21kPa) @ 10% compression 1065psf (50kPa) @ 25% compression	ASTC C165																								
Thickness Dimensions	Product is available in 2" through 4" offerings (50.8mm - 101.6mm) 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>0.43</td> <td>0.78</td> <td>0.9</td> <td>0.97</td> <td>0.97</td> <td>1</td> <td>0.9</td> </tr> <tr> <td>3"</td> <td>0.75</td> <td>0.82</td> <td>0.89</td> <td>0.94</td> <td>1</td> <td>1</td> <td>0.9</td> </tr> </tbody> </table>	Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000Hz	4000 Hz	NRC	2"	0.43	0.78	0.9	0.97	0.97	1	0.9	3"	0.75	0.82	0.89	0.94	1	1	0.9	ASTM C423
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