

ROXUL COMFORTBOARD™ 80

Insulated Sheathing

Product Description & Application

ROXUL COMFORTBOARD™ 80 is a rigid mineral wool, non-structural insulated sheathing board used as continuous insulation in high performance wall systems.

	Performance	Test Standard																																				
Compliance	Mineral Fiber Block and Board Thermal Insulation - Type IVB Compliant Mineral Fibre Thermal Insulation for Buildings - Type 1 Compliant	ASTM C612 CAN/ULC S702																																				
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	ASTM E84 (UL 723) CAN/ULC S102 CAN/ULC S114																																				
Density	Actual Density - 8 lbs/ft³ (128 kgs/m³)	ASTM C303																																				
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 hr.ft².F/Btu RSI value / 25.4mm @ 24°C 0.70 m²K/W	ASTM C518 (C177)																																				
Reaction to Moisture	Moisture Sorption - 0.05% Water Vapor Transmission, Desiccant Method - 1768ng/Pa.s.m² (31 perm) Determination of Fungi Resistance - Passed	ASTM C1104 ASTM E96 ASTM C1338																																				
Compressive Strength	439psf (21kPa) @ 10% compression 1065psf (50kPa) @ 25% compression	ASTC C165																																				
Thickness Dimensions	1.25" (31.8mm), 1.5" (38.1mm), 2" (50.8mm), 3" (76.2mm) 24"x48"(610x1219mm),36"x48"(914x1219mm),48"x72"(1219x1829mm),48"x96"(1219x2438mm)																																					
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> <th>ASTM C423</th> </tr> </thead> <tbody> <tr> <td>1.5"</td> <td>0.21</td> <td>0.64</td> <td>0.92</td> <td>1</td> <td>0.95</td> <td>1.01</td> <td>0.9</td> <td></td> </tr> <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> <td></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> <td></td> </tr> </tbody> </table>	Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000Hz	4000 Hz	NRC	ASTM C423	1.5"	0.21	0.64	0.92	1	0.95	1.01	0.9		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		
Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000Hz	4000 Hz	NRC	ASTM C423																														
1.5"	0.21	0.64	0.92	1	0.95	1.01	0.9																															
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																															

Issued 04-01-16
Supersedes 10-29-15

NOTE: *Mast Format 1995 Edition **Master Format 2004 Edition. As ROXUL Inc has no control over installation design and workmanship, accessory materials or application conditions, ROXUL Inc. does not warranty the performance or results of any installation containing ROXUL Inc's products. ROXUL Inc's overall liability and the remedies available are limited by the general terms and conditions of sale. This warranty is in lieu of all other warranties and conditions expressed or implied, including the warranties of merchantability and fitness for a particular purpose.