

### ROXUL COMFORTBOARD™ 110

### Insulated Sheathing

#### Product Description & Application

ROXUL COMFORTBOARD™ 110 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 - 11 lbs/ft <sup>3</sup> (176 kgs/m <sup>3</sup> )	ASTM C303																								
Corrosion Resistance	Stress Corrosion Cracking Tendency of Austenitic Stainless Steel - Passed Corrosion of Steel - Passed Corrosion to Aluminum - Passed	ASTM C795 ASTM C665 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 - 0.28% Water Vapor Transmission, Desiccant Method - 2160ng/Pa.s.m <sup>2</sup> (35 perm) Water Absorption - 1.2% Determination of Fungus Resistance - Passed	ASTM C1104 ASTM E96 ASTM C209 ASTM C1338																								
Compressive Strength	584psf (28kPa) @ 10% compression 1566psf (75kPa) @ 25% compression	ASTC C165																								
Thickness Dimensions	1" (25.4mm), 1.25" (32mm), 2" (50.8mm), 2.5" (63.5mm), 3" (76.2mm) 24"x48" (610mm x 1219mm), 48"x72" (1219mm x 1829mm)																									
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"</td> <td>0.13</td> <td>0.49</td> <td>0.85</td> <td>0.89</td> <td>0.89</td> <td>0.97</td> <td>0.8</td> </tr> <tr> <td>2"</td> <td>0.5</td> <td>0.71</td> <td>0.85</td> <td>0.9</td> <td>0.96</td> <td>1.01</td> <td>0.85</td> </tr> </tbody> </table>	Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000Hz	4000 Hz	NRC	1"	0.13	0.49	0.85	0.89	0.89	0.97	0.8	2"	0.5	0.71	0.85	0.9	0.96	1.01	0.85	ASTM C423
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