

Comfortboard® 110

Continuous Insulation



ROCKWOOL Comfortboard® 110 is a rigid, high-density, non-combustible stone wool insulation board designed for use as an exterior continuous insulation in commercial applications.

Thermally efficient, moisture resistant and vapor permeable, Comfortboard® 110 is a non-structural external sheathing insulation that creates high-performance wall assemblies to improve the energy efficiency and fire resilience of buildings.

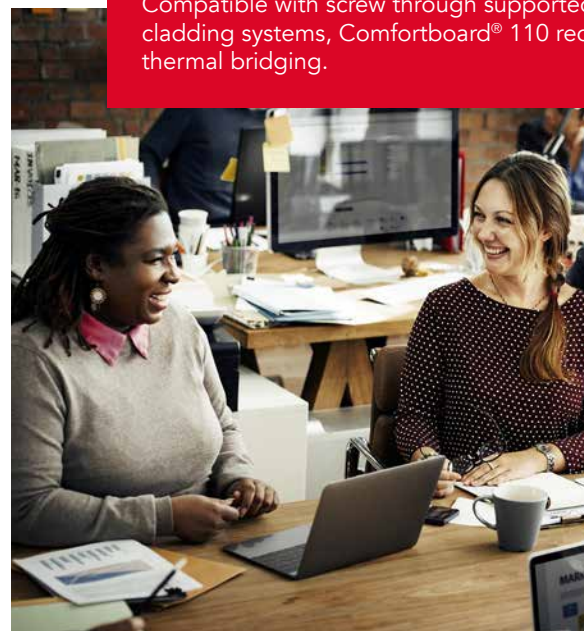
The vapor permeance of ROCKWOOL insulation allows for increased drying potential without trapping transient moisture in the assembly, reducing the risk of mold or corrosion of building components.

Comfortboard® 110 provides the rigidity and durability needed for many exterior cladding assemblies, such as metal and composite panel systems.

Learn more at rockwool.com

Thermal Performance

Compatible with screw through supported cladding systems, Comfortboard® 110 reduces thermal bridging.



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Technical Data Sheet

Board Insulation 05080*

Board Insulation 07 21 13**

ROCKWOOL 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 ³ (176 kg/m ³)	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 hr.ft ² .F/Btu RSI value / 25.4 mm @ 24°C 0.70 m ² K/W	ASTM C518 (C177)																								
Reaction to Moisture	Moisture Sorption - 0.28% Water Vapor Transmission, Desiccant Method - 2160ng/Pa.s.m ² (35 perm) Water Absorption - 1.2% Determination of Fungi Resistance - Passed	ASTM C1104 ASTM E96 ASTM C209 ASTM C1338																								
Compressive Strength	584psf (28kPa) @ 10% compression 1566psf (75kPa) @ 25% compression	ASTM C165																								
Thickness Dimensions	1" (25.4 mm), 1.25" (32 mm), 1.5" (38.1 mm), 2" (50.8 mm), 2.5" (63.5 mm), 3" (76.2 mm), 4" (101.6 mm), 5" (127 mm) 24" x 48" (610 mm x 1219 mm), 48" x 72" (1219 mm x 1829 mm)																									
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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