

Comfortboard® 80

Exterior Continuous Insulation



ROCKWOOL Comfortboard® 80 thermal insulated sheathing is a rigid stone wool insulation board designed for use as an exterior continuous insulation. Comfortboard® 80 does not produce smoke or propagate flames, keeping occupants safe and reducing property damage in the event of a fire. Vapor permeable, this solution allows fast outward drying, keeping moisture out of your wall assembly.

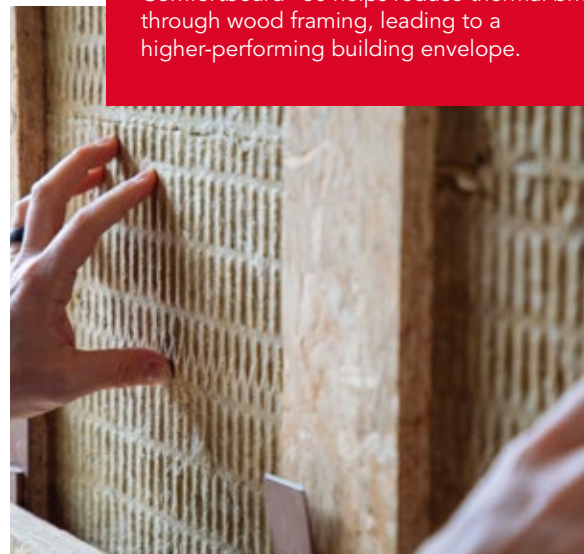
Certified by the California State Fire Marshall's Building Materials Listing Program (BML), Comfortboard® 80 has also received ICC-ES (CCMC 12718-R & 13573-L) validated product acceptance for the following uses:

- Non-structural thermal insulation in non-fire-resistive rated dwellings
- Exterior perimeter insulation around foundation
- Under flat concrete slab
- A component of residential wood-framed cathedral ceilings
- In areas where probability of termite infestation is 'very heavy'

Learn more at
rockwool.com/products/comfortboard-80

Improved Thermal Performance

Comfortboard® 80 helps reduce thermal bridging through wood framing, leading to a higher-performing building envelope.



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Technical Data Sheet
Board Insulation 07210*
Board Insulation 07 21 13**

ROCKWOOL Comfortboard® 80 is a rigid stone wool board designed for continuous insulation applications. A non-structural sheathing product, Comfortboard® 80 provides increased thermal performance to the building envelope.

	Performance	Test Standard																																
Compliance	Mineral Fiber Block and Board Thermal Insulation - Type IVB Compliant Mineral Fiber 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 Behaviour of materials at 750°C - Non Combustible	ASTM E84 (UL 723) CAN/ULC S102 CAN/ULC S114 ASTM E136																																
Density	Actual Density - 8 lbs/ft ³ (128 kg/m ³)	ASTM C303																																
Dimensional Stability	Linear Shrinkage = <0.5% @ 1200°F (650°C)	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.ft ² .F/Btu RSI value / 25.4 mm @ 24°C 0.72 m ² K/W	ASTM C518 (C177)																																
Reaction to Moisture	Moisture Sorption - 0.05% Water Vapor Transmission, Desiccant Method - 1768ng/Pa.s.m ² (31 perm) Determination of Fungi Resistance - Passed	ASTM C1104 ASTM E96 ASTM C1338																																
Compressive Strength	439psf (21kPa) @ 10% compression 1065psf (50kPa) @ 25% compression	ASTM C165																																
Dimensions	Thicknesses: 1" (25.4 mm), 1.25" (31.8 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) Lengths and widths*: 24" x 48" (610 x 1219 mm), 36" x 48" (914 x 1219 mm), 48" x 72" (1219 x 1829 mm), 48" x 96" (1219 x 2438 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>1.5"</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> </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> </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	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	ASTM C423
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Declare



For more information regarding the certifications and listings of our stone wool insulation products, please visit:

rockwool.com/north-america/about-us/sustainability/certifications-and-listings/

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