

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.

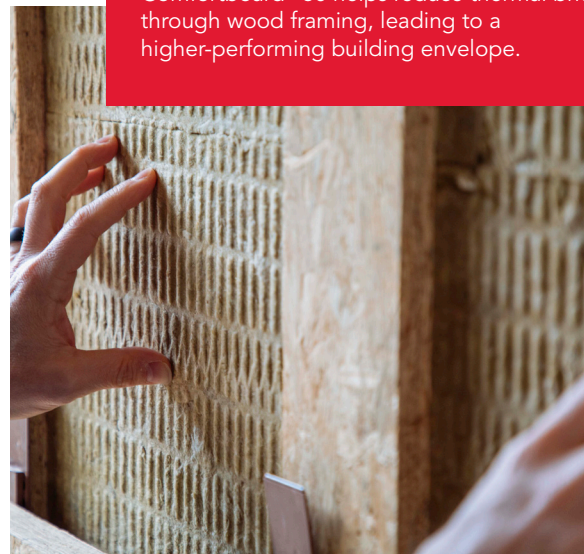
Certified by the California State Fire Marshall's Building Materials Listing Program (BML), Comfortboard® 80 has also received ICC-ES (CCMC 12718-R & 13573-L) validated product acceptance for the following uses:

- 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 0.74 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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NOTE: *Master Format 1995 Edition **Master Format 2004 Edition. As ROCKWOOL has no control over installation design and workmanship, accessory materials or application conditions, ROCKWOOL does not warranty the performance or results of any installation containing ROCKWOOL's products. ROCKWOOL'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.



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