

# COMFORTBOARD™ 80

## Continuous Insulation



ROCKWOOL COMFORTBOARD™ 80 is a rigid stone wool continuous insulation board used as a non-structural sheathing product in residential construction.

It is designed to provide increased thermal performance to the building envelope. Installing COMFORTBOARD™ 80 as continuous insulation with our ROCKWOOL COMFORTBATT® as the wall cavity insulation contributes to a higher effective R-value wall system.

COMFORTBOARD™ 80 is non-combustible, vapor permeable, water repellent and sound absorbent.

It has also received ICC-ES validated product acceptance in accordance to IRC and IBC 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
- and in areas where probability of termite infestation is 'very heavy.'

Learn more at [rockwool.com](http://rockwool.com)

### Reduce Thermal Bridging

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



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## Continuous Insulation

### Technical Data Sheet

Board Insulation 07210\*  
Board Insulation 07 21 13\*\*

**ROCKWOOL 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 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	ASTM E84 (UL 723) CAN/ULC S102 CAN/ULC S114																																
Density	Actual Density - 8 lbs/ft <sup>3</sup> (128 kg/m <sup>3</sup> )	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.ft <sup>2</sup> .F/Btu RSI value / 25.4 mm @ 24°C                0.70 m <sup>2</sup> K/W	ASTM C518 (C177)																																
Reaction to Moisture	Moisture Sorption - 0.05% Water Vapor Transmission, Desiccant Method - 1768ng/Pa.s.m <sup>2</sup> (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																																
Thickness Dimensions	1.25" (31.8 mm), 1.5" (38.1 mm), 2" (50.8 mm), 2.5" (63.5 mm), 3" (76.2 mm) 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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