

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

Reduce Thermal Bridging

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



COMFORTBOARD™ 80

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 ³ (128 kg/m ³)	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 ² .F/Btu RSI value / 25.4 mm @ 24°C 0.70 m ² K/W	ASTM C518 (C177)																																
Reaction to Moisture	Moisture Sorption - 0.05% 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																																
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
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																											



Issued 01-01-18
Supersedes 08-23-17

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.