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, Comfortboard 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 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/comfortboard-80

Improved Thermal Performance

Comfortboard® 80 helps reduce thermal bridging through wood and steel framing, leading to a higher-performing building envelope that improves long-term energy efficiency.

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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 Rating = 0; Smoke Developed Classification = 0 Combustibility of Materials at 750 °C - Noncombustible Determination of Non-combustibility of Building Materials - Non-combustible	ASTM E84 (UL 723)[1] CAN/ULC S102 ASTM E136 CAN/ULC S114
Density	Actual Density - 8 lbs/ft³ (128 kg/m³)	ASTM C303
Dimensional Stability	Linear Shrinkage = < 0.5 % @ 1200 °F (649 °C)	ASTM C356
Corrosion Resistance	Corrosiveness to Steel - Passed	ASTM C1617
Thermal Resistance	R-Value / inch @ 75 °F 4.2 hr.ft².F/Btu RSI value / 25.4 mm @ 24 °C 0.74 m²K/W	ASTM C518 (C177)
Reaction to Moisture	Water Vapor Sorption - 0.2 vol% Determination of Fungi Resistance - Passed	ASTM C1104 ASTM C1338
Compressive Resistance	416 psf (20 kPa) @ 10 % Compression Contact Technical Services for more information on specific applications.	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	See table below	ASTM C423

Thickness (in.)	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC	SAA
1	0.11	0.22	0.74	1.02	1.06	1.01	0.75	0.76
1.5	0.14	0.51	1.01	1.09	1.06	1.00	0.90	0.93
2	0.37	0.82	1.03	1.03	1.01	1.03	0.95	0.97
3	0.84	0.86	1.02	1.05	1.04	1.07	1.00	1.00
5	0.89	0.89	1.05	1.05	1.08	1.05	1.00	1.02

ICC ES ESR-3773

Declare.

ETL LISTED c US Intertek

CLASSIFIED c UL US

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. Note 1: Meets Class A requirements for flame spread and smoke-developed indices as per IBC.

ROCKWOOL®

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