

CCEWOOL® Rock Wool Board 110



CCEWOOL® Rock Wool Board 110 is a high-density, rigid stone wool insulation board with exceptional thermal, moisture-resistant, and vapor-permeable properties, designed for exterior continuous insulation applications. It is non-combustible, providing effective fire protection and moisture control, while offering superior thermal insulation to ensure high-performance wall systems. As an ideal

insulation material for buildings, CCEWOOL® Rock Wool Board 110 can replace traditional insulation materials, providing more reliable fire and thermal protection, as well as enhancing the drying capacity of the structure.

CCEWOOL® Rock Wool Board 110 integrates high density, thermal insulation, and fire resistance, making it an ideal choice for applications requiring high compressive strength. It not only improves building energy efficiency but also offers long-term protection and comfort, making it a reliable choice for the construction industry.

Characteristics:

Vapor Permeability;

Fire Resistance;

Environmental Sustainability;

Moisture Resistance;

Stable R-Value Over Time;

Dimensional Stability;

UV Resistance;

Sound Absorption.



Applications:

- Exterior Continuous Insulation;
- Rainscreen Curtain Wall Systems;
- Perimeter Insulation Around Foundations;
- Flat Roof Insulation;
- Underfloor Insulation;
- Fire Insulation Systems.

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CCEWOOL® Rock Wool Board 110								
Density	11 lb/ft ³ (176 kg/m ³)							
Dimensions	1" to 5": 24"x48" (610 mm x 1219 mm)							
	1" to 3": 48"x72" (1219 mm x 1829 mm)							
Thickness	1" (25.4 mm)							
	1.25" (32 mm)							
	1.5" (38.1 mm)							
	2" (50.8 mm)							
	2.5" (63.5 mm)							
	3" (76.2 mm)							
	4" (101.6 mm)							
Reaction to fire	Class A Non-Combustible							
	Flame spread index = 0 ; Smoke developed index = 0							
Thermal resistance	R-value / inch @ 75°F - 4.0 hr.ft ² .F/Btu							
	RSI value / 25.4 mm @ 24°C - 0.70 m ² K/W							
Acoustical Performance	Thickness	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
	1"	0.13	0.49	0.85	0.89	0.89	0.97	0.8
	2"	0.5	0.71	0.85	0.9	0.96	1.01	0.85
Reaction to moisture	Moisture Sorption - 0.28%							
Compressive strength	584 psf (28 kPa) @ 10% compression							
	1566 psf (75 kPa) @ 25% compression							
Corrosion Resistance	No corrosion							

Product Range			
R-value	Thickness (inch)	Width (inch)	Length (inch)
4	1	24	48
4	1	48	72
5	1.25	24	48
5	1.25	48	72
6	1.5	24	48
6	1.5	48	72
8	2	24	48
8	2	48	72
10	2.5	24	48
10	2.5	48	72
12	3	24	48
12	3	48	72
14	3.5	24	48
16	4	24	48
20	5	24	48

