

CCEWOOL® Stone Wool Board 110



CCEWOOL® Stone 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® Stone 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® Stone 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.



| CCEWOOL® Stone Wool Board 110 | | | | | | | | |
|-------------------------------|---|--------|--------|--------|---------|---------|---------|------|
| Density | 11 lb/ft³ (176 kg/m³) | | | | | | | |
| 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) | | | | | | | |
| | 5" (127 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.ft².F/Btu | | | | | | | |
| | RSI value / 25.4 mm @ 24°C - 0.70 m²K/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 |

