

CCEWOOL® Stone Wool Board 80



CCEWOOL® Stone Wool Board 80 is a high-performance rigid stone wool insulation board designed for exterior continuous insulation systems in both residential and commercial buildings. It offers exceptional thermal, fire-resistant, and acoustic performance. This product is fire-resistant and does not produce smoke or propagate flames, providing a critical line of defense that keeps occupants safe and

reduces property damage during a fire. It helps delay the spread of fire and offers valuable extra time for evacuation and firefighting efforts, minimizing damage.

CCEWOOL® Stone Wool Board 80 integrates thermal insulation, fire safety, and soundproofing into a comprehensive solution that ensures safe, comfortable, and energy-efficient buildings.

Characteristics:

Easy to Cut;

Non-Combustible;

Excellent Sound Absorption;

Good Vapor Permeability;

Durable and Corrosion-Resistant;

Low Moisture Absorption;

Chemically Inert;

Water-Repellent;

Eco-Friendly Manufacturing.



Applications:

Non-Structural Thermal Insulation;

Single- and Three-Coat Insulated Stucco Cladding;

Basement Continuous Insulation;

Exterior Perimeter Insulation around Foundation;

Under Flat Concrete Slab Insulation;

Residential Wood-Framed Cathedral Ceiling Insulation.

TDS

| CCEWOOL® Stone Wool Board 80 | |
|-------------------------------------|--|
| Density | 8 lb/ft³ (128 kg/m³) |
| Dimensions | 1" to 5": 24" x 48" (610 mm x 1219 mm) |
| | 1.5", 2.5": 48" x 72" (1219 mm x 1829 mm) |
| | 1.25", 1.5", 2", 2.5", 3": 48" x 96" (1219 mm x 2438 mm) |
| Thickness | 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) |
| | 3.5" (88.9 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 - 4.2 hr.ft².F/Btu |
| Acoustical Performance | ASTM C423: NRC = 0.9 |
| Reaction to moisture | Moisture Sorption - 0.05% |
| Compressive strength | 439 psf (21 kPa) @ 10% compression |
| | 1065 psf (50 kPa) @ 25% compression |
| Corrosion Resistance | No corrosion |

| Product Range | | | |
|---------------|------------------|--------------|---------------|
| R-value | Thickness (inch) | Width (inch) | Length (inch) |
| 4.2 | 1 | 24 | 48 |
| 5.25 | 1.25 | 24 | 48 |
| 5.25 | 1.25 | 48 | 96 |
| 6.3 | 1.5 | 24 | 48 |
| 6.3 | 1.5 | 48 | 72 |
| 6.3 | 1.5 | 48 | 96 |
| 8.4 | 2 | 24 | 48 |
| 8.4 | 2 | 48 | 96 |
| 10.5 | 2.5 | 24 | 48 |
| 10.5 | 2.5 | 48 | 72 |
| 10.5 | 2.5 | 48 | 96 |
| 12.6 | 3 | 24 | 48 |
| 12.6 | 3 | 48 | 96 |
| 14.7 | 3.5 | 24 | 48 |
| 16.8 | 4 | 24 | 48 |

