

CCEWOOL® Rock Wool Sound Board



CCEWOOL® Rock Wool Sound Board is a high-performance rock wool insulation product designed for interior partitions in wood and steel stud structures that require excellent fire protection and acoustic performance.

This product can withstand high temperatures up to 2150°F (1177°C) and is non-combustible. Even when directly exposed to flames, it will not produce toxic smoke or contribute to the spread of

fire. These characteristics provide valuable additional time for occupant evacuation and firefighting operations, offering reliable protection for building safety.

CCEWOOL® Rock Wool Sound Board also has excellent soundproofing capabilities, making it easy to integrate into walls, ceilings, and floors, significantly reducing noise transmission and helping to create a quieter, healthier indoor environment.

This product is the ideal solution for enhancing both fire and acoustic performance in buildings while also offering environmental benefits, making it the best choice for modern residential and commercial buildings.

Characteristics:

Easy to Cut;

Non-Combustible;

Excellent Sound Absorption;

High Melting Point Fire Resistance;

Mold and Bacteria Resistant;

Low Moisture Absorption;

Waterproof and Moisture-Resistant.



Applications:

Interior wood or steel partition walls;

Interior wood structure floors;

Interior wood structure ceilings;

I-beam interior partitions;

Shared walls.

TDS

| CCEWOOL® Rock Wool Sound Board | | | | | | | | |
|--------------------------------|---|--------|--------|--------|---------|---------|---------|------|
| Density | 2.4 lb/ft ³ (38 kg/m ³) | | | | | | | |
| Reaction to fire | Class A Non-Combustible Flame spread index = 0 ; Smoke developed index = 0 | | | | | | | |
| Acoustical Performance | Thickness | 125 Hz | 250 Hz | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | NRC |
| | 3" | 0.52 | 0.96 | 1.18 | 1.07 | 1.05 | 1.05 | 1.05 |

| Product Range | | |
|------------------|--------------|---------------|
| Thickness (inch) | Width (inch) | Length (inch) |
| 3 | 15.25 | 47 |
| 3 | 16.25 | 48 |
| 3 | 19.2 | 47 |
| 3 | 23 | 47 |
| 3 | 24.25 | 48 |
| 6 | 15.25 | 47 |
| 6 | 16.25 | 48 |
| 6 | 19.2 | 47 |
| 6 | 23 | 47 |



CCEWOOL® Rock Wool Board 40



CCEWOOL® Rock Wool Board 40 is a high-performance stone wool insulation board designed for perimeter fire protection systems, floor and wall penetrations, construction joints, and other fire-related applications.

The product is non-combustible and fire-resistant, ensuring that even when exposed to flames, it will not produce toxic smoke or contribute to flame spread, providing reliable fire

protection for buildings. Additionally, its moisture resistance, anti-mold, and non-corrosive properties ensure long-lasting durability, while also reducing noise transmission within and around the building, significantly enhancing comfort in both residential and work environments.

CCEWOOL® Rock Wool Board 40 is the ideal solution for modern building fire and acoustic requirements, suitable for various key areas, providing comprehensive safety and thermal efficiency optimization for buildings.

Characteristics:

Non-Combustible;

Smoke and Flame Spread Resistance;

Dimensional Stability;

Low Thermal Conductivity;

Water and Moisture Resistant;

Corrosion and Mold Resistant.

Applications:

Perimeter Fire Protection Systems;



Fire Insulation for Construction Joints;

Penetration Protection;

Other Fire Protection Applications.

TDS

| CCEWOOL® Rock Wool Board 40 | |
|------------------------------------|---|
| Density | 4.0 lbs/ft ³ (64 kg/m ³) |
| Dimensions | 24" x 48" (610 mm x 1219 mm) |
| Thickness | 1.5", 2", 3", 4", 5", 6" - 4" is available with a foil facing |
| Reaction to fire | Class A Non-Combustible |
| Reaction to moisture | Moisture Sorption - 0.04% |
| Corrosion Resistance | No corrosion |

CCEWOOL® Rock Wool Multipurpose board 40/60



CCEWOOL® Rock Wool Multipurpose Board 40/60 is suitable for a wide range of applications, including partitioning mechanical rooms or storage spaces, and enhancing soundproofing and fire barrier performance.

With multiple density options available, it provides exceptional performance and reliability for buildings, ensuring long-lasting protection and comfort.

CCEWOOL® Rock Wool Multipurpose Board 40/60 is a multifunctional, high-performance soundproofing

and thermal insulation solution that combines excellent fire protection, acoustic performance, and moisture resistance, offering reliable protection and a comfortable indoor environment for modern buildings.

Characteristics:

- Fire Resistance;
- Waterproof and Moisture-Resistant;
- Anti-Microbial and Corrosion-Resistant;
- Directional Fiber Structure;
- Outstanding Compressive Strength;
- Easy to Install;
- Multiple Density Options;
- Optional Reinforced Foil.

Applications:

- Wall soundproofing and thermal insulation;
- Ceiling soundproofing and thermal insulation;
- Floor soundproofing and thermal insulation.

TDS

| CCEWOOL® Rock Wool Multipurpose board 40/60 | | | | | | | | |
|--|---|------|------|--|------|------|------|-----|
| Product | Rock Wool Multipurpose board 40 | | | Rock Wool Multipurpose board 60 | | | | |
| Density | 4 lb/ft ³ (64 kg/m ³) | | | 6 lb/ft ³ (96 kg/m ³) | | | | |
| Dimensional stability | Linear Shrinkage - <1% @ 1200°F | | | | | | | |
| Dimensions | 24" x 48" (610 mm x 1219 mm) | | | | | | | |
| Thickness | 1" through 4" (25.4 mm – 101.6 mm) | | | 2" through 4" (50.8 mm – 101.6 mm) | | | | |
| Reaction to fire | Class A Non-Combustible Flame spread index = 0 ; Smoke developed index = 0 | | | | | | | |
| Thermal resistance | 4.2 hr.ft ² .F/Btu | | | 4.3 hr.ft ² .F/Btu | | | | |
| Reaction to moisture | Moisture Sorption - 0.03% | | | | | | | |
| Compressive strength | 90 psf (4.3 kPa) @ 10% compression | | | 355 psf (17 kPa) @ 10% compression | | | | |
| | 225 psf (10.8 kPa) @ 25% compression | | | 585 psf (28 kPa) @ 25% compression | | | | |
| Corrosion Resistance | No corrosion | | | | | | | |
| Acoustical Performance | Thickness | 125 | 250 | 500 | 1000 | 2000 | 4000 | NRC |
| | | Hz | Hz | Hz | Hz | Hz | Hz | |
| | 1" | 0.07 | 0.32 | 0.77 | 1.04 | 1.05 | 1.05 | 0.8 |
| | 1.5" | 0.18 | 0.48 | 0.96 | 1.09 | 1.05 | 1.05 | 0.9 |
| | 2" | 0.26 | 0.68 | 1.12 | 1.1 | 1.03 | 1.04 | 1 |

| | | | | | | | | |
|--|----|------|------|------|------|------|------|------|
| | 3" | 0.63 | 0.95 | 1.14 | 1.01 | 1.03 | 1.04 | 1.05 |
| | 4" | 1.03 | 1.07 | 1.12 | 1.04 | 1.07 | 1.08 | 1.1 |

CCEWOOL® Rock Wool Board 45



CCEWOOL® Rock Wool Board 45 is a high-performance semi-rigid stone wool insulation board specifically designed for concealed spaces in multi-unit residential buildings, providing exceptional fire and sound protection. With its superior fire resistance, ease of installation, and long-term stability, it is the ideal choice for ensuring fire safety in buildings, suitable for various protective needs in

concealed spaces.

CCEWOOL® Rock Wool Board 45 combines fire protection, acoustic performance, moisture resistance, and durability, offering a safe, comfortable, and sustainable high-quality solution for multi-unit residential buildings.

Characteristics:

Easy Installation;

Non-Combustible;

Excellent Sound Absorption;

Mold and Bacteria Resistant;

Water Resistance;

Chemically Inert;

Environmentally Friendly.



Applications:

Specifically designed for fire protection in concealed spaces in multi-unit residential buildings.

TDS

| CCEWOOL® Rock Wool Board 45 | |
|------------------------------------|---|
| Density | 4.4 lb/ft ³ (70 kg/m ³) |
| Dimensional stability | Linear Shrinkage - <1% @1200°F |
| Dimensions | 16" x 48" (406 mm x 1219 mm) |
| | 24" x 48" (610 mm x 1219 mm) |
| Thickness | 1"(25.4 mm) |
| Reaction to fire | Class A Non-Combustible |
| Thermal resistance | R-value / inch @ 75°F - 4.2 hr.ft ² .F/Btu RSI value / 25.4 mm @ 24°C - 0.74 m ² K/W |
| Reaction to moisture | Moisture Sorption - 0.03% |
| Corrosion Resistance | No corrosion |

