

CCEWOOL® Stone Wool Batt



CCEWOOL® Stone Wool Batt is a high-performance semi-rigid stone wool insulation product specifically designed for new and renovated residential and commercial buildings. It is ideal for wall, ceiling, floor, and attic insulation systems in wood and steel-framed structures. This stone wool batt features unique flexible edges that can be easily compressed during installation, ensuring seamless filling of the

framing cavities while preventing over-compression, thus maintaining excellent R-value performance.

The product is non-combustible and fire-resistant, and even when directly exposed to fire, it will not produce toxic smoke or contribute to flame spread. Additionally, it has outstanding moisture resistance, water-repellency, and sound absorption properties, making it an ideal choice for enhancing energy efficiency and creating a healthy indoor environment.

CCEWOOL® Stone Wool Batt combines high-efficiency thermal insulation, fire protection, and environmental sustainability, making it an excellent solution for various building needs and offering a safe, comfortable, and sustainable solution for construction.

Characteristics:

Vapor Permeability;

Fire Protection;

Environmental Sustainability;

Moisture Resistance;

Stable R-Value;

Dimensional Stability;

Sound Absorption.



Applications:

Exterior Insulation for Wood and Steel-Framed Walls;

Insulation and Soundproofing for Bare Floors and Crawl Spaces;

Attic and Ceiling Insulation Systems.

TDS

CCEWOOL® Stone Wool Batt	
Density	> 2 lb/ft³ (>32 kg/m³)
Dimensions	Wood Stud 16" (406 mm) on center: 15.25" x 47" (387 mm x 1194 mm)
	Wood Stud 24" (610 mm) on center: 23" x 47" (584 mm x 1194 mm)
	Steel Stud 16" (406 mm) on center: 16.25" x 48" (413 mm x 1219 mm)
	Steel Stud 24" (610 mm) on center: 24.25" x 48" (616 mm x 1219 mm)
Reaction to fire	Class A Non-Combustible
Thermal resistance	Varied from R-10-R38
	R 14 (RSI 2.47) - 3.5" thick (89 mm) R 10 (RSI 1.76) - 2.5" thick (64 mm)
	R 22 (RSI 3.87) - 5.5" thick (140 mm) R 14 (RSI 2.47) - 3.5" thick (89 mm)
	R 24 (RSI 4.23) - 5.5" thick (140 mm) R 22.5 (RSI 3.96) - 6" thick (152 mm)
	R 28 (RSI 4.93) - 7.25" thick (184 mm) R 24 (RSI 4.23) - 6" thick (152 mm)
	R 32 (RSI 5.64) - 8" thick (203 mm)

Product Range			
R-value	Thickness (inch)	Width (inch)	Length (inch)
13	3.5	15.25	47
13	3.5	23	47
15	3.5	15.25	47
15	5.5	23	47
21	5.5	15.25	47
21	5.5	23	47
23	5.5	15.25	47
23	5.5	23	47
30	7.25	15.25	47
30	7.25	23	47

CCEWOOL® Stone Wool Sound Board



CCEWOOL® Stone Wool Sound Board is a high-performance Stone 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® Stone 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® Stone Wool Sound Board								
Density	2.4 lb/ft³ (38 kg/m³)							
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® 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)
	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 - 4.2 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

