

CCEWOOL® Stone Wool Blanket



Classification Temperature: 750°C (1382°F)

Chemical Composition: Basalt

CCEWOOL® Stone Wool Blanket is a flexible roll-form insulation product made primarily from natural basalt through high-temperature melting and fiberization. It combines thermal insulation, fire resistance, and sound absorption in a flexible structure that can

closely conform to irregular equipment surfaces and large-diameter piping.

The product offers good thermal and chemical stability, with resistance to aging and corrosion, making it suitable for long-term industrial use. It can achieve A1 non-combustible classification, providing reliable thermal insulation and fire protection for equipment and personnel.

Depending on application requirements, CCEWOOL® can provide water-repellent and low-chloride grades for humid environments or chloride-sensitive systems. Aluminum foil and wire mesh facings are also available to improve moisture protection, mechanical reinforcement, and installation adaptability.

CCEWOOL® Stone Wool Blanket is widely used in power plants, chemical plants, large-diameter piping, storage tanks, irregular equipment surfaces, dust collectors, and flue systems for thermal insulation, noise control, and personnel protection.

Characteristics:

- Excellent thermal insulation;
- Good sound absorption;
- Environmentally compatible mineral fiber material;
- Energy-saving performance;
- High water repellency;
- Stable long-term performance;
- Resistant to mold growth.

Applications:

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Thermal and acoustic insulation for building walls and roofs;
Thermal insulation for boilers, vessels, valves, and large-diameter piping;
Industrial equipment and storage tank insulation;
Flue, duct, and dust-collection system insulation.

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Performance	Unit	Density (kg/m ³)			Test Standards
Thermal conductivity (average 25°C)	W/ (m.k)	60	80	100	GB/T10295
		≤0.040	≤0.038	≤0.038	
Combustion performance	--	Class A1 non-combustion			GB8624
Hydrophobicity	%	≥99	≥99	≥99	GB/T10299
Maximum operating temperature	°C	550	750	750	GB/T17430
Recommended operating temperature	°C	450	650	650	GB50264
Heat load shrinkage temperature	°C	400	400	400	GB/T11835
Linear shrinkage	%	≤2	≤2	≤2	ASTM C356
Corrosiveness	--	No corrosion			ASTM C665