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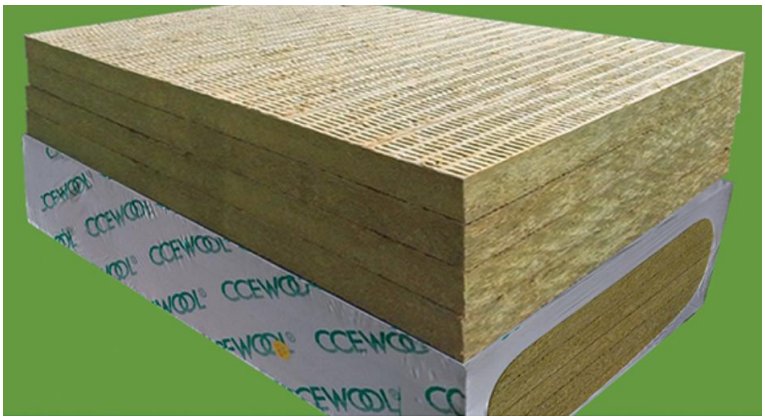
CCEWOOL® Stone Wool Board



CCEWOOL® stone wool board used basalt and other natural crystal as main material, through high temperature melt into fibers and then adding binders, then curing and made.

CCEWOOL stone wool boards feature a certain of strength, excellent thermal stability and chemical stability, outstanding sound absorption, heat preservation and other properties. Its fireproofing performance conforms to A1 grade. Water repellent type and low chlorine type of products can be manufactured according to the requirement of customers. Aluminum foil, fiberglass cloth, and other veneer materials can also be overlaid to the surface of products.

Characteristics:

Excellent heat insulation and sound proof property

Excellent moisture resistance;

High compressive and tensile strength, low water absorption and moisture absorption;

Won’t occur thermal expansion or contraction, aging resistance

Excellent fire protection, thermal insulation and acoustic absorption properties

Thermal insulation, fire and extreme weather protection to building

Applications:

Construction industry: building wall insulation, thermal insulation and noise absorption for walls, roof and building envelop

Petrochemical industry: thermal insulation and noise absorption for electricity and chemical industry equipment

Mining industry: thermal insulation and fire proof for industrial furnace, oven, large caliber tank and vessels

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TDS

CCEWOOL® Stone Wool Board							
Performance	**Unit**	**Density（kg/m3）**					**Test Standards**
Thermal conductivity (average 25°C)	W/（m.k）	60	80	100	120	180	
		≤0.040	≤0.038	≤0.038	≤0.038	≤0.038	GB/T10295
Combustion performance	--	Class A1 non-combustion					GB8624
Hydrophobicity	%	≥99	≥99	≥99	≥99	≥99	GB/T10299
Maximum operating temperature	℃	550	650	750	750	750	GB/T17430
Recommended operating temperature	℃	450	550	650	650	650	GB50264
Heat load shrinkage temperature	℃	500	650	650	650	650	GB/T11835
Linear shrinkage	%	≤2	≤2	≤2	≤2	≤2	ASTM C356
Corrosiveness	--	No corrosion					ASTM C665

CCEWOOL® Stone Wool Blanket

CCEWOOL Stone Wool Blanket is flexible and can well fit irregular equipment and large pipes. Its good length can effectively reduce the number of joints and thermal bridges. Water repellent type and low chlorine type of products can be manufactured according to the requirement of customers. Aluminum foil, fiberglass cloth, and other veneer materials can also be overlaid to the surface of products.

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CCEWOOL industrial Stone Wool Blanket is mainly used for heat preservation, noise reduction, and personal protection from large-diameter pipes, large storage tanks, uneven surfaces, dust collector walls as well as flue gas pipes in power plants and chemical plants, and at the same time it strengthens fireproofing performance.

Characteristics:

Thermal insulation

Absorb noise

Healthy and eco-friendly

Moisture resistance

Energy saving

Application:

Applied into building wall and roof with good insulation and sound absorption property

Widely used as thermal insulation material in boiler, vessel, valve and large-diameter pipe

TDS

CCEWOOL® Stone Wool Blanket					
Performance	**Unit**	**Density（kg/m3）**			**Test Standards**
Thermal conductivity (average 25°C)	W/（m.k）	60	80	100	
		≤0.040	≤0.038	≤0.038	GB/T10295
Combustion performance	--	Class A1 non-combustion			GB8624
Hydrophobicity	%	≥99	≥99	≥99	GB/T10299
Maximum operating temperature	℃	550	750	750	GB/T17430
Recommended operating temperature	℃	450	650	650	GB50264
Heat load shrinkage temperature	℃	400	400	400	GB/T11835

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Linear shrinkage	%	≤2	≤2	≤2	ASTM C356
Corrosiveness	--	No corrosion			ASTM C665

CCEWOOL® Stone Wool blanket with Wire Mesh

CCEWOOL heat-resistance Stone Wool blanket with Wire Mesh is manufactured in rolls, which is made from stone wool felt and galvanized iron wire mesh or stainless-steel wire mesh sewn together with galvanized iron wire or stainless-steel wire. It features good elasticity, thermal preservation, and easy construction. Water repellent type and low chlorine type of products can be manufactured according to the requirement of customers. Aluminum foil, fiberglass cloth, and other veneer materials can also be overlaid to the surface of products.

CCEWOOL heat-resistance stone wool blanket with Wire Mesh is ideal for thermal insulation, fire prevention and sound absorption and noise reduction in large pipe networks, large storage tanks and containers, furnaces, and air ducts. It is especially suitable for places with high temperature and vibration or where a high fireproof standard is required.

Characteristics:

Thermal insulation

Absorb noise

Healthy and eco-friendly

Moisture resistance

Energy saving

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Application:

Applied into building wall and roof with good insulation and sound absorption property

Widely used as thermal insulation material in boiler, vessel, valve and large-diameter pipe

TDS

CCEWOOL® Stone Wool blanket with Wire Mesh					
Performance	**Unit**	**Density（kg/m3）**			**Test Standards**
Thermal conductivity (average 25°C)	W/（m.k）	60	80	100	
		≤0.040	≤0.038	≤0.038	GB/T10295
Combustion performance	--	Class A1 non-combustion			GB8624
Hydrophobicity	%	≥99	≥99	≥99	GB/T10299
Maximum operating temperature	℃	550	750	750	GB/T17430
Recommended operating temperature	℃	450	650	650	GB50264
Heat load shrinkage temperature	℃	400	400	400	GB/T11835
Linear shrinkage	%	≤2	≤2	≤2	ASTM C356
Corrosiveness	--	No corrosion			ASTM C665

CCEWOOL® Stone Wool Pipe

CCEWOOL heat-resistance Stone Wool Pipe is made of stone wool fiber rolled by amold and cured under high temperature. For easy installation, it can be cut along the axis of the shell to facilitate construction. It ensures the tight coupling between the shell and the pipelines that needs insulation. The

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outer surface of the shell can be polished according to the requirement of customers to achieve the exact thickness of the insulation. Water repellent type and low chlorine type of products can be manufactured according to the requirement of customers. Aluminum foil, fiberglass cloth, and other veneer materials can also be overlaid to the surface of products.

CCEWOOL water-resistance Stone Wool Pipe is especially suitable for energy saving of hot and cold pipelines, and plays an important role in maintaining temperature, protecting personal safety, preventing condensation, and reducing noise. This product is rolled with a mold, closely coupled with pipes, and the outer surface is polished to achieve the precise insulation thickness.

Characteristics:

Thermal insulation

Absorb noise

Healthy and eco-friendly

Moisture resistance

Energy saving

Application:

Pipe insulation for use in the construction and industrial sectors.

TDS

CCEWOOL ® Stone Wool Pipe			
Performance		**Unit**	**Data**
Thermal conductivity	50℃	W/（m.k）	≤0.039
	100℃		≤0.044
	150℃		≤0.053
	200℃		≤0.065
	250℃		≤0.078
	300℃		≤0.094
Linear shrinkage (650℃)		%	≤2
Mass moisture absorption		%	≤0.5
Hydrophobicity		%	≥98
Chloride ion content		PPM	≤10

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Combustion performance	--	Class A1 non-combustion No burning debris, no toxic smoke, and the flame lasts for 0 seconds
Environmental protection	--	No asbestos, no CFCS, HFCS, HCFCS
Corrosiveness	--	No corrosion
Density	kg/m3	80-120
Specifications	mm	Inner diameter: ¢22-760mm Thickness: 30-300mm Length: 1000mm
Packing method and quantity	Woven bag, 1 piece/bag	