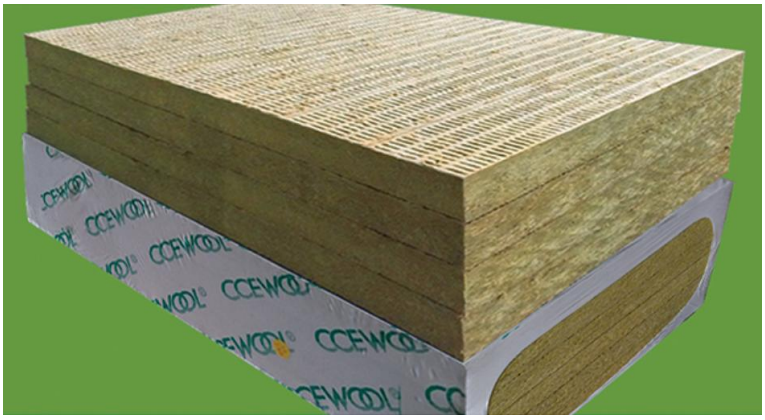
CCEWOOL Thermomax Inc.
salesusa@ccewool.com
www.ccewool.com

CCEWOOL® Rock Wool Board



CCEWOOL® rock 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 rock 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

TDS

CCEWOOL® Rock Wool Board							
Properties	Unit	Density					
		80	100	120	140	150	160
Combustion performance	--	Class A1 non-combustion					
Compression Strength(10%deformation)	kPa	≥40					

CCEWOOL Thermomax Inc.
salesusa@ccewool.com
www.ccewool.com

Hydrophobic rate		%	≥98.0	
Melt temperature		ºC	>1000	
Acidity ratio		--	≥1.8	
Moisture absorption rate		%	≤1.0	
Thermal conductivity(average 25ºC)		W(m.k)	≤0.048	≤0.040
Dimensional stability		%	≤1.0	
Water absorption(Partial Immersion)		Kg/m2	Short term(24h)≤1.0	
			Long term(28d)≤3.0	
Thickness tolerance		mm	±2	±3
Right angel degree of deviation		mm/m	≤5	
Planeness tolerance		mm	≤6	
properties after ignition-burning	Shrinkage percentage	%	(750ºC,0.5h)≤8	
	Mass loss rate	%	(750ºC,0.5h)≤10	

CCEWOOL® Rock Wool Blanket

CCEWOOL Rock 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.

CCEWOOL industrial Rock 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

CCEWOOL Thermomax Inc.
salesusa@ccewool.com
www.ccewool.com

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 ® Rock Wool Blanket			
Maximum Use Temperature (ºC)		550	750
Recommended Use Temperature (ºC)		450	650
Surface burning characteristics	Flue gas development index	≤25	
	Flame spread index		0
Combustion performance		Non-combustible A1	
Volumetric hygroscopic rate (%)		≤1	
Mass hygroscopic rate (%)		≤1	
Density (kg/m³)		80	100
Thermal Conductivity (W/m·K)	70ºC	0.04	0.038
	100ºC	0.046	0.042
	150ºC	0.05	0.048
	200ºC	0.064	0.056
	250ºC	0.076	0.063
	300ºC	0.08	0.07
	350ºC		0.077
	400ºC		0.085
Health and safety		No asbestos , No irritating odor , No bacteria	

CCEWOOL® Rock Wool blanket with Wire Mesh

CCEWOOL heat-resistance Rock Wool blanket with Wire Mesh is manufactured in rolls, which is made from rock 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,

CCEWOOL Thermomax Inc.
salesusa@ccewool.com
www.ccewool.com

fiberglass cloth, and other veneer materials can also be overlaid to the surface of products. CCEWOOL heat-resistance Rock 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

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 ® Rock Wool Blanket			
Maximum Use Temperature (ºC)		550	750
Recommended Use Temperature (ºC)		450	650
Surface burning characteristics	Flue gas development index	≤25	
	Flame spread index		0
Combustion performance		Non-combustible A1	
Volumetric hygroscopic rate (%)		≤1	
Mass hygroscopic rate (%)		≤1	
Density (kg/m³)		80	100
Thermal Conductivity (W/m·K)	70ºC	0.04	0.038
	100ºC	0.046	0.042
	150ºC	0.05	0.048
	200ºC	0.064	0.056
	250ºC	0.076	0.063
	300ºC	0.08	0.07
	350ºC		0.077
	400ºC		0.085
Health and safety		No asbestos , No irritating odor , No bacteria	

CCEWOOL Thermomax Inc.
salesusa@ccewool.com
www.ccewool.com

CCEWOOL® Rock Wool Pipe

CCEWOOL heat-resistance Rock Wool Pipe is made of rock 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 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 Rock 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 ® Rock Wool Pipe							
Properties	Unit	Density					
		80	100	120	140	150	160
Combustion performance	--	Class A1 non-combustion					
Compression Strength(10%deformation)	kPa	≥40					
Hydrophobic rate	%	≥98.0					
Melt temperature	℃	＞1000					
Acidity ratio	--	≥1.8					
Moisture absorption rate	%	≤1.0					

CCEWOOL Thermomax Inc.
salesusa@ccewool.com
www.ccewool.com

Thermal conductivity（average 25℃）		W(m.k)	≤0.048	≤0.040
Dimensional stability		%	≤1.0	
Water absorption(Partial Immersion)		Kg/m2	Short term(24h)≤1.0Long term(28d)≤3.0	
Thickness tolerance		mm	±2	±3
Right angel degree of deviation		mm/m	≤5	
Planeness tolerance		mm	≤6	
properties after ignition-burning	Shrinkage percentage	%	（750℃，0.5h）≤8	
	Mass loss rate	%	（750℃，0.5h）≤10	