

Ceramic Fiber Blanket

Rosewool ceramic fiber blanket has the excellent specialty of low thermal conductivity, good heat stability ,thermal shock resistance and tensile strength , good thermal insulation, fire proof and noise reduction. It is widely used in power generation, iron and steel, Aluminum /non-ferrous metals, glass, ceramics, aerospace, super alloys, petrochemical, semiconductors, cement, automotive, domestic appliances etc. Temperature level is 1100-1430°C (2012°F --2600°F).

Product Features :

- Low thermal conductivity
- Good heat and chemical stability
- Thermal shock resistance
- Tensile strength
- Good thermal insulation
- Noise reduction
- Fire proof



Technical data of ceramic fiber blanket:

Type	COM	ST	HP	HA	Zir-Alu	HZ
Classified Temp.	1100°C (2012°F)	1260°C (2300°F)	1260°C (2300°F)	1360°C (2480°F)	1400°C (2550°F)	1430°C (2600°F)

Working Temp.	<1000 °C (2012°F)	1050°C (1922°F)	1100°C (2012°F)	1200°C (2192°F)	1200°C (1192°F)	1350°C (2462°F)	
Color	white	white	white	white	white	white	
Density(kg/m ³)	96/128 (6/8 lb/ft ³)	96/128 (6/8 lb/ft ³)	96/128 (6/8 lb/ft ³)	128/160 (8/10 lb/ft ³)	128/160 (8/10 lb/ft ³)	128/160 (8/10 lb/ft ³)	
Linear Shrinkage (%) (24 hrs,density 128 kg/m ³)	-4 (1000°C/ 2012°F)	-3 (1000°C/ 1832°F)	-3 (1100°C/ 2012°F)	-3 (1250°C/ 2282°F)	-3 (1200°C/ 2192°F)	-3 (1350°C/ 2462°F)	
Thermal conductivity(W/M.K) Density 128kg/m ³ (8 lb/ft ³)	0.09(400°C/ 752°F)	0.09(400°C/ 752°F)	0.09(400°C/ 752°F) 0.16(800°C/ 1472°F)	0.12(600°C/ 1112°F) 0.20(1000°C/ 1832°F)	0.132(600°C/ 1112°F) 0.22(1000°C/ 1832°F)	0.16(600°C/ 1112°F) 0.20(1000°C/ 1832°F)	
Tensile Strength(Mpa) (Density 128kg/m ³)	0.08-0.12	0.08-0.12	0.08-0.12	0.08-0.12	0.08-0.12	0.08-0.12	
Chemical (%)	Al ₂ O ₃	44	46	47-49	52-55	45-46	39-40
	Al ₂ O ₃ +SiO ₂	96	97	99	99	-	-
	Al ₂ O ₃ +SiO ₂ + ZrO ₂	-	-	-	-	-	99
	ZrO ₂	-	-	-	-	5-7	15-17
	Fe ₂ O ₃	<1.2	<1.0	0.2	0.2	0.2	0.2
	Na ₂ O+K ₂ O	≤0.5	≤0.5	0.2	0.2	0.2	0.2
Size(mm)	7200/3600*610/1220/10-50mm or customized as your specification 25'/12' * 24"/48" * 1"/2"						

Application of ceramic fiber blanket:

- Linings and back-up insulation for all types of furnaces, heaters and kilns
- External insulation such as boiler, turbine, duct and piping, precision casting shell etc.
- Vehicles and domestic appliance insulation,

- High temperature sealing material such as ladle lid, duct connecting part etc.
- Noncombustible materials for building
- High temperature gas filtration material, high temperature part sound absorbing material.
- Pressure and cryogenic vessel fire protection
- Furnace repairs

Production for Ceramic Fibers

Ceramic Fiber Blanket

Our advantage :

- ❖ **Half century's experience:** professional insulation material and good reputed



manufacturer for half past century.

- ❖ **20 years' exporting history:** 20 years' history and clients from all over the world such as : America, Europe, Australia, Africa, such as:USA ,CANADA,UAE,VIETNAM

- ❖ **our partner corporation:** CONCH CEMENT, CNBM , SINOMA, CUCC, LAFARGE, CHALCO, DATANG, POWERCHINA, CITIC, MORGAN, UNIFRAX , ROCKWOOL, RHI, REFRA.

- ❖ **Authorized certification:** CE(IT021431SS161216), ISO (04815Q20116ROS)

- ❖ **One-stop service:** rock wool ,glass wool, calcium silicate board , refractory cement, castables could be offered for you .

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