

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 .

More information , please click www.rosewoolinsulation.com

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