

Production Information Sheet

Ceramic Fiber Blanket

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)

Production Information Sheet

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/m3)		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) 0.16(800°C/ 1472°F)	0.09(400°C/ 752°F) 0.16(800°C/ 1472°F)	0.09(400°C/ 752°F) 0.16(800°C/ 1472°F) 0.20(1000°C/ 1832°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,

<https://www.rosetexwool.com>

Production Information Sheet

- 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.

<https://www.rosotexwool.com>

Production Information Sheet

- ❖ **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 .

Rosewool Insulation Refractory Co.,Ltd

Email: sales@rosewool.com

Phone/ Whatsapp: +86 13674954566

No. 366, Nanmi New Road, Xinmi City, Henan Province

<https://www.rosotexwool.com>