Production Information Sheet

Ceramic Fiber Blanket

ceramic fiber blanket has the excellent specialty of low thermal conductivity, good heat s tability ,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℃ (2012℉--2600℉).

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℃ (2012℉)	1260℃ (2300℉)	1260℃ (2300℉)	1360℃ (2480℉)	1400℃ (2550℉)	1430℃ (2600℉)

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Working Temp.		<1000 ℃ (2012℉)	1050℃ (1922℉)	1100℃ (2012℉)	1200℃ (2192℉)	1200℃ (1192℉)	1350℃ (2462℉)
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/m³)		-4 (1000℃/ 2012℉)	-3 (1000℃/ 1832℉)	-3 (1100℃/ 2012℉)	-3 (1250℃/ 2282℉)	-3 (1200℃/ 2192℉)	-3 (1350℃/ 2462℉)
Thermal conductivity(W/M.K) Density 128kg/m³(8 lb/ft^3)		0.09(400℃/ 752℉) 0.16(800℃/ 1472℉)	0.09(400℃/ 752℉) 0.16(800℃/ 1472℉)	0.09(400℃/ 752℉) 0.16(800℃/ 1472℉) 0.20(1000℃/ 1832℉)	0.12(600℃/ 1112℉) 0.20(1000℃/ 1832℉)	0.132(600℃/ 1112℉) 0.22(1000℃/ 1832℉)	0.16(600℃/ 1112℉) 0.20(1000℃/ 1832℉)
Tensile Strength(Mpa) (Density 128kg/m³)		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_2O_3	44	46	47-49	52-55	45-46	39-40
	$Al_2O_3+SiO_2$	96	97	99	99	-	-
	$Al_2O_3+SiO_2+ZrO_2$	-	-	-	-		99
	ZrO_2	-	-	-	-	5-7	15-17
	Fe_2O_3	<1.2	<1.0	0.2	0.2	0.2	0.2
	Na_2O+K_2O	≤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.

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 .

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