

# Ceramic Fiber Products

## INTRODUCTION

The Ceramic fiber are made from industrial minerals by spun or blown production method into bulk, then needled into a blanket, folded into modules, converted into papers, boards, and shapes, die-cut into gaskets, twisted into yarns, woven into rope and cloth, and blended into liquid binders for mastics and cements.

Firebird supply different types of Ceramic Fiber Products, which include:

- Blanket
- Bulk
- Board
- Modules
- Vacuum Formed
- Felt
- Paper
- Textiles
- Binding Cement

## CHARACTERS

- Low Thermal Conductivity;
- Good Linear Shrinkage;
- Good Quality Consistency;
- High Purity and Low Shot Content;
- Long Service Life;

## TYPICAL APPLICATION

### ● Glass & Ceramics

Glass Melting Furnace, Glass Annealing Furnace, Glass Forge, Roller Kiln, Shuttle Kiln, High-temperature experimental oven, Tunnel Kiln and Kiln to Burn Special Ceramics

### ● Metallurgy & Mechanism

Annealing Furnace, Forge Furnace, Covering Furnace, Aluminum Melting Furnace, Sintering Furnace, Carbon Reaction Furnace, Insulating lining for the top of steel wrapping, CAL, CGEL, Reheating furnace and the other kind of heat-treatment furnace.

### ● Petrochemical Industry

Cracking furnace, conversion furnace, hydrogen making furnace, normal pressure furnace, reducing pressure furnace, burning furnace

## PRODUCTION



Ceramic Fiber Board				
Items	F-1260SB	F-1260PB	F-1425ZB	F-1600LB
Grade	General	High purity	zirconia	Crystal
Classification temperature, °C	1260	1260	1425	1600
Max working temperature, °C	1100	1200	1350	1500
Color	white	white	white	white
Water Content, %	≤1	≤1	≤1	≤1
Density, kg/m <sup>3</sup>	280/300/320	280/300/320	280/300/320	350/400
Linear Shrinkage after heating, %	-3 (1000°C*24h)	-3 (1100°C*24h)	-3 (1350°C*24h)	<1 (1400°C*24h)
Thermal Conductivity, W/m·K	0.08 (400°C)	0.008 (400°C)	0.08 (400°C)	0.13 (600°C)
	0.11 (600°C)	0.15 (800°C)	0.15 (800°C)	0.16 (800°C)
	0.15 (800°C)	0.20 (1000°C)	0.20 (1000°C)	0.21 (1000°C)
Cold Crushing Strength, MPa	0.5	0.5	0.5	0.8
Loss of Ignition, %	≤7	≤7	≤7	≤6
Standard Size	900mm*600mm/1000mm*600mm/1200mm*1000mm*Thickness Thickness:6,8,10,15,20,25,30,40,50,75,100mm			

*Data are average results of test conducted under standard procedures and are subject to variation. Results should not be used for specification purposes.*

