Rosewool
thermal insulation

*Production Information Sheet*

# Ceramic Fiber Board

ROSEWOOL ceramic fiber board is made of Ceramic fiber cotton by the process of vacu um forming or dry process refined by dry and machining. It has the good specialty of rigid ity flexibility heavy intensity anti-wind erosion, non-expansion, lightweight, and easy to construct. It can be cut and bent optionally. Thus, it is the practical and efficient material of kiln and furnace, pipe and other thermal insulation equipment.

**Products Features:**

Excellent thermal stability.

Resistance to burning.

Low thermal conductivity.

Low heat storage.

Good obstructing voice and mechanism strength.

Low shrinkage.

Good springiness for fibers

Convenient producing and installing

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**Technical data of ceramic fiber board:**

| Type | | COM | ST | HP | HA | Zir-Alu | HZ |
|---|---|---|---|---|---|---|---|
| Classified Temp. | | 1100℃ (2012°F) | 1260℃ (2300°F) | 1260℃ (2300°F) | 1360℃ (2480°F) | 1400℃ (2550°F) | 1430℃ (2600°F) |
| Working Temp. | | <1000℃ (2012°F) | 1050℃ (1922°F) | 1100℃ (2012°F) | 1200℃ (2192°F) | 1200℃ (1192°F) | 1350℃ (2462°F) |
| Color | | white | white | white | white | white | white |
| Density(kg/m3) | | 260-320 (16-20lb/ft$^{3)}$ | 260-320 (16-20lb/ft$^{3)}$ | 260-320 (16-20lb/ft$^{3)}$ | 260-320 (16-20lb/ft$^{3)}$ | 260-320 (16-20lb/ft$^{3)}$ | 260-320 (16-20lb/ft$^{3)}$ |
| Linear Shrinkage (%) (24 hrs) | | -3 (1000℃/ 1832°F) | -3 (1000℃/ 1832°F) | -3 (1100℃/ 2012°F) | -3 (1250℃/ 2282°F) | -3 (1000℃/ 2012°F) | -3 (1350℃/ 2462°F) |
| Thermal conductivity(W/M.K) | | 0.085(400℃ /752°F) 0.132(800℃ /1472°F) 0.180(1000 ℃/2012°F) | 0.085(400℃ /752°F) 0.132(800℃ /1472°F) 0.180(1000 ℃/2012°F) | 0.085(400℃ /752°F) 0.132(800℃ /1472°F) 0.180(1000 ℃/2012°F) | 0.085(400℃/ 752°F) 0.132(800℃/ 1472°F) 0.180(1000 ℃/2012°F) | 0.085(400℃ /752°F) 0.132(800℃ /1472°F) 0.180(1000 ℃/2012°F) | 0.085(400℃ /752°F) 0.132(800℃ /1472°F) 0.180(1000 ℃/2012°F) |
| Compression Strength (Mpa) | | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 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) | | 1200*1000mm(47″*40″); 1000*600mm(40″*36″);900*600mm(24″*36″) 20-50mm（1″/2″）thickness | | | | | |

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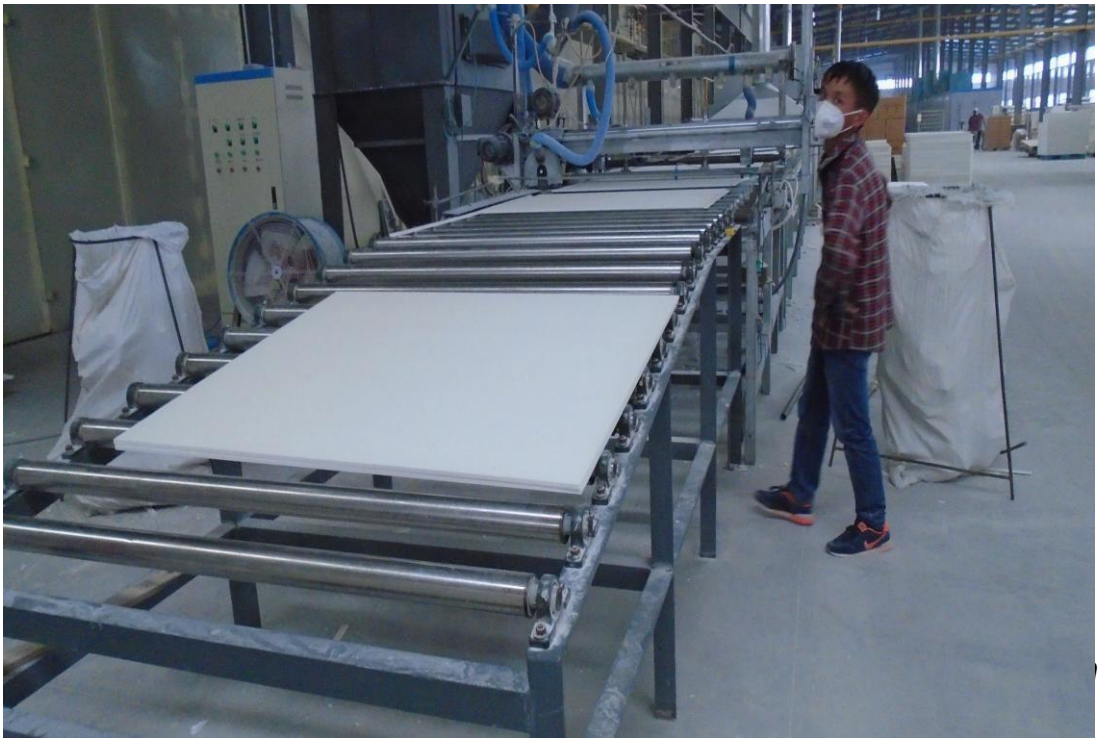
**Applications of ceramic fiber board:**

- The wall liner and back lining materials of high-temperature reaction, reheating equipment and various industrial furnace such as used glass tempering furnace, pottery kiln, ceramic kiln and tunnel kiln.
- Insulating and fire proof plate of furnace door and roof or house chimney and fireplace.
- Lows fire proof and insulation for chimney cake ovens, pizza oven.
- boilers and heater combustion chamber
- Aluminum factories-reduction cell firebricks back linings
- Ladle furnace backing
- Shipping, aviation, precision industrial equipment
- Refractory and thermal insulation material in kiln or furnace of construction industry for heating and wall liner of high-heat treatment.

## Production for Ceramic Fibers

Ceramic Fiber Board



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## 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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