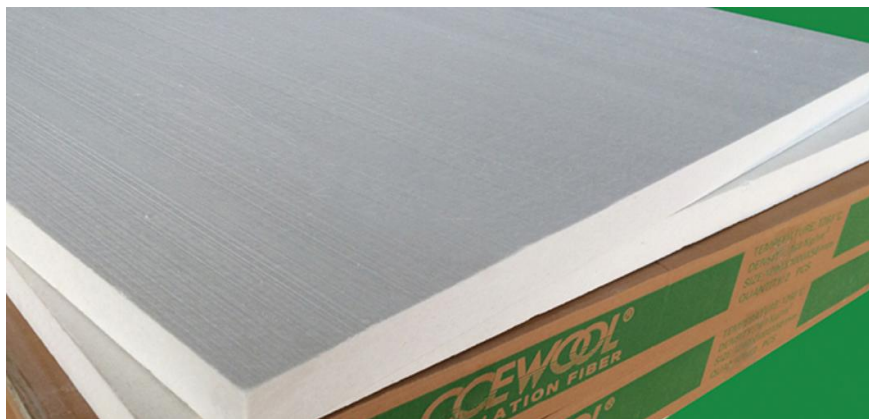


## CCEWOOL® Large Size Ceramic Fiber Board for Fabrication



Classification Temperature: 1260°C (2300°F), 1400°C (2550°F), 1430°C (2600°F)

Chemical Composition: Alumina, Silica, (Zirconia)

CCEWOOL® Large Size Ceramic Fiber Board for Fabrication is a high-temperature board developed

for large-size customized insulation and fire-protection structures. It is not simply an enlarged standard board, but a Fabrication-oriented product designed for fire doors, furnace door linings, industrial insulation enclosures, and other large non-standard structures requiring better integrity, dimensional accuracy, and installation stability.

The board is manufactured on a fully automated continuous production line using high-purity raw materials and vacuum-forming technology. This ensures uniform fiber structure and consistent bulk density while maintaining good flatness and structural stability at large dimensions. A single board can reach up to 1.8 m in width and 3 m in length, significantly reducing joints, thermal bridges, and installation errors associated with multi-piece assemblies.

As a Fabrication product, CCEWOOL® Large Size Ceramic Fiber Board is well suited for large-area, integrated insulation and fire-protection structures. Compared with conventional multi-board assembly, it helps improve installation efficiency, reduce joint treatment, and enhance the overall appearance and long-term stability of the finished structure.

Under high-temperature service and thermal cycling, the board provides good thermal shock and spalling resistance, helping maintain stable insulation performance and structural integrity over long-term use.

### Characteristics:

Ultra-large dimensions;  
Accurate dimensions and good flatness;  
Excellent fire resistance;  
Excellent compressive strength;  
Low thermal conductivity;  
High-temperature stability;  
Excellent thermal shock resistance;  
High mechanical strength;  
Good machinability;  
Chemical corrosion resistance;  
Good sound insulation;  
Uniform structure and easy processing.

### Applications:

Fire door manufacturing  
Industrial furnace door and roof linings  
Heat-treatment equipment and insulated furnace structures.

### TDS

| CCEWOOL® Large Size Ceramic Fiber Board for Fabrication |                |                 |                 |                 |
|---------------------------------------------------------|----------------|-----------------|-----------------|-----------------|
| Classification Temperature                              | 1260°C(2300°F) | 1260°C (2300°F) | 1400°C (2550°F) | 1430°C (2600°F) |
| Operation Temperature                                   | 1050°C(1922°F) | 1100°C (2012°F) | 1200°C(2192°F)  | 1350°C(2462°F)  |
| Color                                                   | white          |                 |                 |                 |
| Loss of Ignition (%)                                    | ≤6             |                 |                 |                 |
| Permanent Linear Shrinkage (%)                          | 1050°Cx24h≤3.0 | 1050°Cx24h≤3.0  | 1200°Cx24h≤3.5  | 1350°Cx24h≤3.5  |
| Modules of Rupture (MPa)                                | ≥0.3           |                 |                 |                 |

|                                                     |        |      |      |      |
|-----------------------------------------------------|--------|------|------|------|
| Compressive Strength (MPa,10% relative deformation) |        |      |      |      |
| 300kg/m3                                            | ≥0.25  |      |      |      |
| 360kg/m3                                            | ≥0.3   |      |      |      |
| Thermal Conductivity (w/m.k)                        |        |      |      |      |
| 400°C                                               | 0.08   | 0.07 | 0.07 | 0.07 |
| 600°C                                               | 0.11   | 0.1  | 0.1  | 0.1  |
| 800°C                                               | 0.14   | 0.13 | 0.13 | 0.13 |
| 1000°C                                              | 0.19   | 0.17 | 0.19 | 0.18 |
| Chemical Composition (%)                            |        |      |      |      |
| Al2O3                                               | ≥44    | ≥44  | ≥44  | ≥35  |
| SiO2                                                | ≥52    | ≥55  | ≥50  | ≥49  |
| ZrO2                                                | -      | -    | ≥5   | ≥15  |
| Package                                             | pallet |      |      |      |

|                                                                |                              |
|----------------------------------------------------------------|------------------------------|
| <b>CCEWOOL® Large Size Ceramic Fiber Board for Fabrication</b> |                              |
| Thickness (mm)                                                 | 20.25.50                     |
| Size (mm)                                                      | 2400×1200 or customized size |