

CCEWOOL® Ceramic Chopped Fiber



Temperature Grades: 1260°C (2300°F),

1400°C (2550°F), 1430°C (2600°F)

CCEWOOL® RCF Chopped Fiber is manufactured from CCEWOOL® ceramic fiber bulk using professional automated chopping equipment. Through a precisely controlled mechanical chopping process,

the product achieves a more uniform fiber length distribution, enabling it to meet the requirements of various industrial applications and downstream processing methods.

CCEWOOL® RCF Chopped Fiber is primarily used as an important raw material for ceramic fiber boards, ceramic fiber papers, and other wet-formed fiber products. It is also widely used in insulation systems for high-temperature equipment such as industrial furnaces, boilers, pipelines, and chimneys. The upgraded automated chopping system enables stable control of fiber length and particle size distribution, providing improved stability and consistency during production and processing.

According to different production process requirements, CCEWOOL® RCF Chopped Fiber is available in multiple specifications, including:

Milled Fiber

Fine Chopped Fiber

Medium Chopped Fiber

Coarse Chopped Fiber

Characteristics:

Low heat storage and low thermal conductivity;

Excellent chemical stability;

Good thermal stability;

Free from binders and corrosive substances;



Excellent sound absorption performance.

Applications:

CCEWOOL® RCF Chopped Fiber is widely used in high-temperature industrial insulation systems and in the production of fiber products, including:

Raw material for ceramic fiber boards, fiber papers, textiles, and vacuum-formed shapes;

Insulation filling material for industrial furnaces and other high-temperature equipment;

Expansion joint filler;

Furnace bottom sealing material;

Pipe sealing material;

Burner block filler;

Chimney and flue insulation.

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| CCEWOOL® RCF Chopped Fiber | | | |
|-----------------------------------|-----------------------------|--------------------|--------------------|
| Classification Temperature (°C) | 1260 (2300°F) | 1400HA (2550°F) | 1430HZ (2600°F) |
| Chemical Composition(%) | | | |
| Al ₂ O ₃ | ≥43 | ≥52 | ≥35 |
| SiO ₂ | ≥54 | ≥47 | ≥49 |
| ZrO ₂ | - | - | ≥15 |
| Color | White | | |
| Shot Content(%) | ≤12 | | |
| Packing | Vacuumed plastic bag+pallet | | |

| Temperature Grade | Fiber Type | Fibre Coating | Fiber Diameter | Description |
|-------------------|------------|---------------|----------------|----------------------|
| 2300°F (1260°C) | Blown | None | 2-4μm | Milled Fiber |
| 2300°F (1260°C) | Blown | None | 2-4μm | Fine Chopped Fiber |
| 2300°F (1260°C) | Blown | None | 2-4μm | Medium Chopped Fiber |
| 2300°F (1260°C) | Blown | None | 2-4μm | Coarse Chopped Fiber |
| 2550°F (1400°C) | Blown | None | 2-4μm | Chopped Fiber |
| 2300°F (1260°C) | Spun | None | 3-5μm | Chopped Fiber |
| 2600°F (1430°C) | Spun | None | 3-5μm | Chopped Fiber |