

## **CCEFIRE® Refractory Mortar**

### **Description:**

CCEFIRE® Refractory mortar is a high temperature, air-setting mortar used as an adhesive to securely bind refractory material, which can be used into binding refractory brick, insulating brick and ceramic fibers. There are two types: dry powder mortar, which is mix the powder and additive and pack them with plastic woven bags. After soaked and stirred evenly, it can be put into use; other type is liquid status, which can be directly used without other process.

### **Technical data and Size:**

<b>CCEFIRE® Refractory Mortar</b>	
<b>Item</b>	<b>Index</b>
<b>Al2O3 %</b>	≥42
<b>Fe2O3 %</b>	≤2.0
<b>Max temperature</b>	1300℃
<b>Bonding time</b>	1-3min
<b>Bonding strength</b>	110℃*24h ≥5MPa 1100℃ after-burning ≥7MPa
<b>Modulus of Rupture</b>	≥6MPa

### **Raw Materials**

CCEFIRE refractory mortar is mainly made of high-quality refractory powder, high-strength and temperature-resistant chemical binders and additives, suitable

for furnace masonry requiring small ash joints, good sealing, and high bonding strength.

## **Production Process**

1. Excellent performance, ideal plasticity, and water retention
2. Very small shrinkage during drying and baking
3. High refractoriness
4. High bonding strength
5. Good resistance to chemical corrosion
6. Stable chemical properties

## **Quality Control**

Each shipment has a dedicated quality inspector, and a test report is provided prior to the departure of products from the factory to ensure the export quality of each shipment of CCEFIRE.

A third-party inspection (such as SGS, BV, etc.) is accepted.

Production is strictly in accordance with ASTM quality management system certification.

The outer packaging of each carton is made of five layers of kraft paper, and outer packaging + pallet,, suitable for long-distance transportation.

## Application Performance

1. CCEFIRE refractory mortar is used for masonry insulation bricks, special heavy bricks, and high aluminum heavy bricks.
2. CCEFIRE refractory mortar is used to prevent the intrusion of air and hot air into the masonry.
3. CCEFIRE refractory mortar is used to prevent the erosion of brick joints by molten slag and molten metals.