

## Superior High Temperature Resistance Good Price Fused Corundum Bricks For Glass Kiln

Our Product Introduction

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### Basic Information

- Place of Origin: Zhengzhou ,China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: Fused  $\alpha$ -Corundum Bricks, Fused Cast  $\beta$  Corundum Bricks, Fused Cast  $\alpha$ - $\beta$  Corundum Bricks
- Minimum Order Quantity: 1 Ton
- Price: 200-800USD
- Packaging Details: Packed on wooden pallets, with water-proof cover, and tightened with plastic/steel bandages
- Delivery Time: 20-30 Days
- Payment Terms: TT; L/C
- Supply Ability: 2000 tons/month



### Product Specification

- Highlight: Glass Kiln Fused Corundum Bricks, High Temperature Resistance Fused Corundum Bricks , Good Price Fused Corundum Bricks

Our Product Introduction

### Product Description

**Introduction of Superior High Temperature Resistance Good Price Fused Corundum Bricks For Glass Kiln**  
 Welcome to Rongsheng Refractory, your trusted partner in high-performance refractory solutions. Our fused corundum bricks are engineered to withstand the most demanding environments, making them an essential choice for various industries, including glass, metals, and petrochemicals. With an alumina content exceeding 90%, these bricks are designed for durability, thermal stability, and resistance to chemical attack.



### Unmatched Characteristics

#### High Alumina Content

Our fused corundum bricks feature a remarkable alumina content of over 90%, primarily composed of corundum. This high purity level ensures outstanding mechanical strength, achieving compressive strengths of up to 340 MPa at room temperature.

#### Superior Thermal Stability

Designed for high-temperature applications, these bricks exhibit excellent performance with a softening temperature starting above 1700°C. Their ability to maintain structural integrity under extreme heat makes them ideal for use in demanding industrial environments.

#### Chemical Resistance

Fused corundum bricks are known for their exceptional resistance to acidic and alkaline slags, metals, and glass liquids. This characteristic is crucial for applications in glass melting and metal production, where exposure to harsh chemicals is common.

#### Thermal Shock Resistance

The thermal shock stability of our bricks varies depending on their structural layout, but they generally perform well under sudden temperature changes. Precision products showcase excellent corrosion resistance, although they may have slightly lower thermal shock stability.

#### Versatile Applications

Our product line includes several variations of fused corundum bricks, such as fused  $\alpha$ -Al<sub>2</sub>O<sub>3</sub> bricks and  $\alpha$ - $\beta$ -Al<sub>2</sub>O<sub>3</sub> bricks. The  $\alpha$ - $\beta$ -Al<sub>2</sub>O<sub>3</sub> bricks, specifically designed for float glass furnaces, contain  $\geq 94\%$  Al<sub>2</sub>O<sub>3</sub> and are composed of 45-55%  $\alpha$ -Al<sub>2</sub>O<sub>3</sub> and 45-60%  $\beta$ -Al<sub>2</sub>O<sub>3</sub>. They offer outstanding erosion resistance against glass liquids below 1350°C and exhibit excellent wear resistance, making them the ideal material for the working areas of large melting furnaces.

#### Applications in Various Industries

Fused corundum bricks are utilized in a wide range of industrial applications, including:

**Glass Industry:** Ideal for furnace walls and working sections in float glass production, ensuring high-quality glass output without contamination.

**Metallurgical Sector:** Their corrosion resistance makes them suitable for high-temperature applications involving molten metals.

**Petrochemical Industry:** Effective in reactors and processing units, where chemical resistance and thermal stability are paramount.

**Cement Production:** Fused corundum bricks contribute to the efficiency and longevity of cement kilns, enhancing overall production quality.

#### Product Specifications of Fused Corundum Brick

Item	Index		
	Fused Cast $\alpha$ Corundum Bricks	Fused Cast $\beta$ Corundum Bricks	Fused Cast $\alpha$ - $\beta$
Al <sub>2</sub> O <sub>3</sub> %	98	92	9
Na <sub>2</sub> O %	1.0	6.5	4
SiO <sub>2</sub> +CaO+Fe <sub>2</sub> O <sub>3</sub> +TiO <sub>2</sub> %	$\leq 1.0$	$\leq 1.5$	$\leq$
$\alpha$ -Corundum %	90	2	1
$\beta$ -Corundum %	4	97	9
Glass Phase %	6	1	
Bulk Density (Dense part) g/cm <sup>3</sup>	3.3	3.1	3
Cold Crushing Strength MPa	200	50	2
0.2Mpa Refractoriness Under Load	1700	1700	
Static Resistance To Liquid Glass Erosion Depth mm/24h Ordinary Soda Lime Glass 1350 $\times$ 48h	/	/	(

#### Why Choose Rongsheng Refractory?

With over 20 years of experience as a leading manufacturer, supplier, and exporter of refractory materials, Rongsheng Refractory stands at the forefront of the industry. Our extensive product range caters to 90% of the refractory needs in diverse sectors, ensuring our clients receive high-quality solutions tailored to their specific requirements. Our commitment to quality and innovation has enabled us to serve customers across more than 100 countries, establishing us as a top choice for refractory materials worldwide.

#### Contact Us Today

For inquiries about our premium fused corundum bricks and how they can meet your refractory needs, reach out to us today!

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Partner with Rongsheng Refractory for reliable, high-performance refractory solutions that drive your success!



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