

## Fused Corundum Bricks For High-Temperature Glass Manufacturing

Our Product Introduction

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### Basic Information

- Place of Origin: Zhengzhou ,China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: Fused Cast  $\alpha$  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: High Temperature Glass Corundum Bricks, High Quality Corundum Bricks, Fused Corundum Bricks

### Product Description

#### Overview of Rongsheng Refractory Supply High-Quality Fused Corundum Bricks For High-Temperature Glass Manufacturing

At Rongsheng Refractory, we specialize in providing top-notch fused corundum bricks, known for their exceptional properties and wide-ranging applications in the refractory materials industry. Our fused corundum bricks, with an alumina content exceeding 90%, are primarily composed of corundum, making them ideal for high-performance environments. Available in different variations, including fused  $\alpha$ -Al<sub>2</sub>O<sub>3</sub> bricks,  $\alpha$ - $\beta$ -Al<sub>2</sub>O<sub>3</sub> bricks, and  $\beta$ -Al<sub>2</sub>O<sub>3</sub> bricks, these materials are designed to meet the rigorous demands of industries such as glass, steel, and petrochemicals.

Our Product Introduction



### Key Features and Benefits of High-Quality Fused Corundum Bricks

#### Exceptional Alumina Content

Our fused corundum bricks boast an alumina content greater than 90%, ensuring high resistance to chemical corrosion and thermal shock. This characteristic makes them particularly suitable for use in high-temperature applications.

#### High Mechanical Strength

With a compressive strength of up to 340 MPa at room temperature, our bricks provide remarkable durability and stability under stress. They maintain their integrity even under high loads, with a softening temperature beginning above 1700°C.

#### Chemical Stability

These bricks demonstrate excellent chemical stability, resisting acidic and alkaline slags, metals, and glass liquids. This makes them invaluable in environments where chemical reactions can compromise other materials.

#### Thermal Shock Resistance

Although the thermal shock stability of precision products may vary based on their structural layout, our bricks generally exhibit commendable performance under sudden temperature changes, ensuring longevity and reliability.

#### Low Pollution and High-Temperature Performance

Our  $\alpha$ - $\beta$ -Al<sub>2</sub>O<sub>3</sub> fused bricks are particularly noteworthy for their purity, preventing glass contamination and exhibiting excellent resistance to glass liquid erosion at temperatures below 1350°C. Their high melting point guarantees functional stability at elevated temperatures, while their remarkable wear resistance ensures longevity.

### Applications of High-Quality Fused Corundum Bricks

Fused corundum bricks are ideal for a range of applications, including:

**Glass Manufacturing:** Used in the working section and the crossway walls of float glass furnaces, they ensure efficient operation without compromising the quality of glass products.

**Metallurgical Industry:** Their superior resistance to metal corrosion makes them a preferred choice for high-temperature metallurgical processes.

**Petrochemical and Cement Industries:** These bricks effectively withstand the harsh conditions present in petrochemical reactors and cement kilns.

### Product Specifications of Fused Corundum Bricks

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> %	≤1.0	≤1.5	≤
$\alpha$ -Corundum %	90	2	1
$\beta$ -Corundum %	4	97	!
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 x48h	/	/	(

### Why Choose Rongsheng Refractory?

With over 20years of experience, Rongsheng Refractory has established itself as a leading manufacturer, supplier, and exporter of high-quality refractory materials. Our extensive product range caters to 90% of the refractory needs across various industries, ensuring our clients receive the best solutions tailored to their specific requirements. Our commitment to innovation and quality has allowed us to serve customers in over 100 countries, making us a trusted name in the refractory materials sector.

### Get in Touch With Rongsheng Refractory

If you are looking for durable, high-performance fused corundum bricks or other refractory materials, contact us today!

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Let Rongsheng Refractory provide you with the high-quality materials you need to succeed in your industry. We look forward to hearing from you!

