

Glass Furnace Silica Refractory Brick Alumina Silica Fire Brick Custom Fused Silica Bricks

Our Product Introduction

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Basic Information

- Place of Origin: Zhengzhou ,China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: Rongsheng Fused Silica Brick
- 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: 20-30DAYS
- Payment Terms: TT; L/C
- Supply Ability: 2000tons /month



Product Specification

- Acid Resistance: Excellent
- Alkali Resistance: Excellent
- Application: Furnace, Kiln, Boiler, Etc.
- Color: Red, White, Gray, Black
- Compressive Strength: $\geq 35\text{MPa}$
- Density: $2.2-2.7\text{ G/cm}^3$
- Flexural Strength: $\geq 10\text{MPa}$
- Material: Clay, Alumina, Silica
- Porosity: $\leq 18\%$
- Refractoriness: ≥ 1700
- Shape: Rectangular, Square, Circular, Custom
- Size: Custom
- Thermal Conductivity: $\leq 1.0\text{ W/m.K}$
- Thermal Shock Resistance: Excellent
- Highlight: **Glass Furnace Silica Refractory Brick,**

Product Description

Silica Refractory Brick Alumina Silica Fire Brick Custom Fused Silica Bricks For Glass Furnace

Description of Fused silica brick

Fused silica brick is a high-quality refractory material known for its excellent thermal stability, low thermal expansion, and resistance to thermal shock. It is primarily composed of pure silica (SiO_2) that has been melted and fused into a dense, high-purity structure.

Fused silica bricks are almost entirely composed of silicon dioxide (SiO_2). They are made from high-purity silica sand or quartz, which is melted and then rapidly cooled to form a solid, dense structure.

Features of Fused silica brick

High Temperature Stability: Fused silica bricks are capable of withstanding extremely high temperatures, making them suitable for use in environments where extreme heat is present.

1.Low Thermal Expansion

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2.Excellent Thermal Shock Resistance

3.Chemical Inertness

Applications of Fused silica brick

Fused silica bricks find applications in industries such as glass manufacturing, ceramics, metallurgy, and high-temperature processes. They are used in the construction of glass melting furnaces, coke ovens, and other high-temperature equipment.

Technical Parameter of Fused Silica Brick:

Item	Index
SiO ₂ %	≥98
Al ₂ O ₃ %	≤0.3
Fe ₂ O ₃ %	≤0.5
CaO %	≤0.2
Bulk Density g/cm ³	≥1.8
Apparent Porosity %	≤20
Cold Crushing Strength MPa	≥30
0.2Mpa Refractoriness Under Load	≥1650
Thermal expansion coefficient % 1000	≤0.2
Thermal shock resistance cycle 1100 water cooling	≥30



Henan Rongsheng Xinwei New Materials Research Institute Co., Ltd



+86-18538509097



Jackyhan2023@outlook.com



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11th Floors, Building 6, China Central Electronic Commerce Port, Daxue Road, Zhengzhou, Henan, China