

## Sillimanite Furnace Refractory Bricks Sillimanite Refractory Bricks For Furnaces

Our Product Introduction

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### Basic Information

- Place of Origin: Zhengzhou ,China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: GXSZ-1, GXSZ-2, GXSZ-3, GXSZ-4
- 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

- Abrasion Resistance: Excellent
- Chemical Resistance: Good
- Color: White
- Compressive Strength: High
- Density: High
- Flexural Strength: High
- Material: Alumina
- Porosity: Low
- Refractoriness: High
- Refractoriness Under Load: Excellent
- Service Temperature: High
- Shape: Brick
- Size: Standard
- Thermal Conductivity: Good
- Thermal Shock Resistance: Excellent

Our Product Introduction

### Product Description

Manufacturer Supply Sillimanite Brick Good Quality Sillimanite Refractory Bricks For Furnaces

#### Description of Sillimanite Refractory Bricks

Sillimanite bricks are sillimanite mineral based refractory bricks produced by high temperature sintering method or slurry casting method. Sillimanite bricks manufacturing have very good high temperature performance. Sillimanite is natural high grade refractory mineral, it features in low thermal expansion rate, good molten slag corrosion resistance and glass liquid corrosion resistance, excellent high temperature abrasion resistance and so on. After high temperature calcining, sillimanite will transform into mullite and free SiO<sub>2</sub>. Sillimanite bricks and mullite bricks have higher refractoriness under load compared with fireclay bricks. Sillimanite bricks have dense structure, when applied in glass furnaces, glass liquid is not tend to form bubbles. So sillimanite bricks are definitely suitable for feeding canister, clay barrel, former block and feeder bowl.

Sillimanite refractory bricks are primarily composed of sillimanite, a crystalline mineral composed of aluminum silicate. The specific composition may vary depending on the manufacturer and the intended application.

#### Features of Sillimanite Refractory Bricks

1. Good thermal stability, low thermal expansion rate;
2. Slag has good corrosion resistance;

3. Body dense, resistant to glass corrosion;
4. High temperature resistance;
5. High softening temperature under load.

**Applications of Sillimanite Refractory Bricks**

Sillimanite refractory bricks find applications in industries such as ceramics, glass, iron and steel, non-ferrous metals, and petrochemicals. They are used in furnaces, kilns, and other high-temperature equipment.

**Specification of Sillimanite Refractory Brick:**

Item	GXSZ-1	GXSZ-2	GXSZ-3
Al <sub>2</sub> O <sub>3</sub> %	56.4	59.3	64.5
Fe <sub>2</sub> O <sub>3</sub> %	0.96	0.80	1.0
SiO <sub>2</sub> %	39.5	38.1	33.4
CaO %	0.28	0.08	/
K <sub>2</sub> O %	0.51	0.24	0.4
Bulk density g/cm <sup>3</sup>	2.36	2.34	2.58
Apparent porosity %	/	20.8	16.2
Refractoriness s under load °C	/	1620	1650
Modulus of rupture Mpa	/	60	70
Thermal expansion coefficient %	/	5.5	6



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