

## 45-80% High Temperature Kiln High Alumina Refractory Brick With Low Impurity Content & Thermal Shock Resistance

Our Product Introduction

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### Basic Information

- Place of Origin: Zhengzhou ,China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: LZ-48, LZ-55, LZ-65, LZ-70, LZ-75, LZ-80
- 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

- Application Fields: Cement Kiln, Blast Furnace, Hot Blast Stove
- Application Temperature: 1400-1700
- Bulk Density: 2.0-2.6g/cm3
- Chemical Stability: Good
- Cold Crushing Strength: 50-100MPa
- Color: White
- Linear Change Rate:  $\leq 0.2\%$
- Material: Alumina
- Packaging: Wooden Pallet
- Porosity:  $\leq 18\%$
- Refractoriness Under Load: 1700-1800
- Shape: Brick
- Size: Customized
- Thermal Shock Resistance: Good



### More Images



### Product Description

#### Description of 45-80% High Temperature Kiln High Alumina Refractory Brick With Low Impurity Content & Thermal Shock Resistance

High alumina brick of over contain 46% to 80% Alumina content are made from raw materials of high degree of purity of Bauxite and fireclay. For serve under severe conditions, High alumina bricks have excellent mechanical strength, good resistance to thermal spalling, and are highly resistant to chemical attack by volatile alkalis and some slag. Our manufacture and design high alumina bricks to meet the requirements of a great variety of service conditions through quality control.

Our Product Introduction



#### Product Features of High Temperature Kiln Refractory Bricks

1. Good performance in high temp refractoriness under load
2. Higher temperate resistant with good refractoriness
3. Good cold crush strength
4. Lower impurity content
5. Good thermal shock resistance performance
6. Excellent resistance in slag abrasion

#### Our product advantages:

Competitive Price: Make the products competitive in your market. Abundant Experience. Prevent cracks and twist in bricks.

Different Moulds: Save mould fees for you.

Strict Quality Control: Meet clients' quality requirement. Large stocks. Guarantee prompt delivery.

Professional Packing: Avoid damage and secure the goods in transportation.

#### Common Applications of High Alumina Bricks For furnaces And Kilns:

**Blast Furnaces:** High alumina bricks are used in the lining of blast furnaces, which are crucial in the production of iron and steel. They can withstand the extremely high temperatures and harsh conditions inside the furnace.

**Kilns:** They are used in various types of kilns, including rotary kilns, tunnel kilns, and shuttle kilns, which are employed in industries like ceramics, cement, and glass manufacturing.

**Incinerators:** High alumina bricks are used to line the combustion chambers of incinerators. This is because they can withstand the high temperatures generated during the waste incineration process.

**Petrochemical Industry:** They find applications in the lining of reactors and other equipment used in the production of chemicals, petrochemicals, and fertilizers.

**Furnace Lining:** They are used in the lining of industrial furnaces, including those used for heat treatment, metal smelting, and other high-temperature processes.

**Glass Industry:** High alumina bricks are utilized in the construction of glass tanks, which are essential components in the production of glass.

**Steel Industry:** They are used in steel ladles, ladle covers, and other parts of the steel-making process that are exposed to high temperatures and aggressive slag.

**Cement Industry:** High alumina bricks are used in the lining of cement rotary kilns, where they help maintain high temperatures necessary for the clinker formation.

**Foundries:** They are used in various applications within foundries, including the lining of coreless induction furnaces, electric arc furnaces, and other high-temperature equipment.

**Power Plants:** High alumina bricks are used in boilers, combustion chambers, and other high-temperature zones within power plants.

#### Product Specification of High Alumina Brick

Item	Index			
	SK40	SK38	SK37	SK36
	LZ-80	LZ-75	LZ-65	LZ-55
Al <sub>2</sub> O <sub>3</sub> %	≥80	≥75	≥65	≥55
Apparent Porosity, %	≤21	≤24	≤24	≤22
CCS, MPa	≥70	≥60	≥50	≥45
0.2MPa RUL	≥1530	≥1520	≥1500	≥1450
PLC, %	1500 x2h -0.4~0.2			1450 x2h -0.4~0.1



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