

## High Alumina Refractory Brick Aluminum Oxide Fire Brick For Blast Furnace And Electric Furnace

Our Product Introduction

for more products please visit us on [bricksrefractory.com](http://bricksrefractory.com)

### 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

- Al<sub>2</sub>O<sub>3</sub> Content: ≥48%
- Application Temperature: ≤1400
- Bulk Density: 2.2-3.2g/cm<sup>3</sup>
- Cold Crushing Strength: 40-100MPa
- Color: White/Gray/Brown/Black/Yellow/Green/Blue/F
- Density: 2.2-3.2g/cm<sup>3</sup>
- Fe<sub>2</sub>O<sub>3</sub> Content: ≤3.5%
- Material: High Alumina Refractory Brick
- Porosity: ≤20%
- Refractoriness: ≥1700
- Refractoriness Under Load: ≥1400
- Shape: Square/Rectangle/Circle/Arch/Customized
- SiO<sub>2</sub> Content: ≤40%
- Size: Customized
- Thermal Shock Resistance: Good



### More Images



### Product Description

#### Product Description of High Alumina Refractory Brick Aluminum Oxide Fire Brick For Blast Furnace And Electric Furnace

High alumina brick is a kind of neutral refractory with alumina content above 48%. It is formed by shaping and calcining bauxite or other raw materials with high alumina content. High thermal stability and fire resistance above 1770 .

The production process of high alumina bricks is similar to that of multi clinker clay bricks. The difference is that the proportion of clinker in the ingredients is high, up to 90~95%. Before crushing, the clinker needs to be sorted and screened to remove iron. The firing temperature is high. For example, when high alumina bricks such as I and II are fired in tunnel kilns, it is generally 1500~1600 .

Our Product Introduction



#### Feature of high alumina bricks

1. Good thermal conductivity.
2. High fire resistance.
3. Good slag resistance, acid and alkali resistance.
4. Thermal stability.

#### Appliaction Of High Alumina Refractory Brick Aluminum Oxide Fire Brick For Blast Furnace And Electric Furnace

As a basic material in the field of high-temperature technology, high alumina bricks are widely used in cement, glass building materials, steel smelting, petrochemical and other industries. High temperature industrial furnaces for high alumina bricks include blast furnace, hot blast furnace, electric furnace, blast furnace, reverberatory furnace and rotary kiln lining. In addition, high alumina bricks can also be processed into open hearth regenerative grid bricks, socket bricks for pouring system, nozzle bricks, etc. according to the requirements of industrial furnaces.

#### Product Specification of aluminum oxide fire alumina brick high alumina content furnaces bricks

Item	Specification					
	LZ-80	LZ-75	LZ-70	LZ-65	LZ-55	
Al <sub>2</sub> O <sub>3</sub> %	≥80	≥75	≥70	≥65	≥55	
Apparent Porosity, %	≤21	≤24	≤24	≤24	≤22	
CCS, MPa	≥70	≥60	≥55	≥50	≥45	
0.2MPa RUL	≥1530	≥1520	≥1510	≥1500	≥1450	
PLC, %	1500 ×2h			1450 ×2h		
	-0.4~0.2			-0.4~0.1		



**Henan Rongsheng Xinwei New Materials Research Institute Co., Ltd**



+86-18538509097



Jackyhan2023@outlook.com



[bricksrefractory.com](http://bricksrefractory.com)

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