

## High Alumina Refractory Brick With High Temperature Strength Fire brick For Blast Furnace And Rotary Kiln Lining

Our Product Introduction

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### Basic Information

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

- Alumina Content: High
- Bulk Density: High
- Chemical Stability: High
- Color: Red
- Compressive Strength: High
- Density: High
- Material: High Alumina Refractory Brick
- Porosity: Low
- Refractoriness: High
- Refractoriness Under Load: High
- Shape: Brick
- Softening Temperature: High
- Thermal Conductivity: Low
- Thermal Shock Resistance: High



### More Images



### Product Description

#### Product Description of High Alumina Refractory Brick With High Temperature Strength Fire brick For Blast Furnace And Rotary Kiln Lining

High alumina brick is a kind of alumina-silicate refractory material with content of alumina oxide more than 48%. It is calcined and formed by the raw material of banxite or the material with high content of AL<sub>2</sub>O<sub>3</sub>. High thermal stability, the refractoriness is more than 1770 . Good slag resistance, used for the liner of masonry steel-making electric stove, glass furnace and cement revolver.

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#### Features of High Alumina Refractory Brick With High Temperature Strength

1. High refractoriness;
2. High temperature strength;
3. High thermal stability;
4. Neutral refractory;
5. Good resistance to acid and basic slag corrosion;
6. High refractoriness under load;
7. High temperature creep resistance;
8. Low apparent porosity;

#### Product Application of High Alumina Refractory Brick For Blast Furnace And Rotary Kiln Lining

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 Parameter of High Alumina Refractory Brick

Item		Properties			
		RS-80	RS-75	RS-65	RS-55
Al <sub>2</sub> O <sub>3</sub> (%)		80	≥75	≥65	≥55
Refractoriness (°C)		≥1790	≥1790	≥1790	≥1770
Bulk density (g/cm <sup>3</sup> )		2.65	2.5	2.45	2.4
Softening temperature under load (°C)		1530	≥1520	≥1500	≥1470
Linear changes on reheating (%)	1500°CX2H	0.1	0.1	0.1	0.1
		-0.4	-0.4	-0.4	-0.4
	1450°CX2H				
Apparent porosity (%)		22	≤23	≤23	≤22
Cold crushing strength (Mpa)		55	≥50	≥45	≥40



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