

## Acid And Alkali Resistant Al<sub>2</sub>O<sub>3</sub> High Alumina Bricks With High Refractoriness and Heat Shock Resistance

Our Product Introduction

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### Basic Information

- Place of Origin: Zhengzhou ,China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: SK35, SK36,SK37, SK38, SK40
- 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: Above 48%
- Apparent Porosity: Below 22%
- Bulk Density: Above 2.0g/cm<sup>3</sup>
- Cold Crushing Strength: Above 100MPa
- Color: White, Yellow, Red, Etc.
- Compressive Strength: Above 100MPa
- Corrosion Resistance: Excellent
- Flexural Strength: Above 10MPa
- Material: High Alumina Refractory Brick
- Refractoriness: Above 1790
- Shape: Various Shapes
- Size: Various Sizes
- Thermal Conductivity: Low
- Thermal Expansion: Low
- Thermal Shock Resistance: Excellent



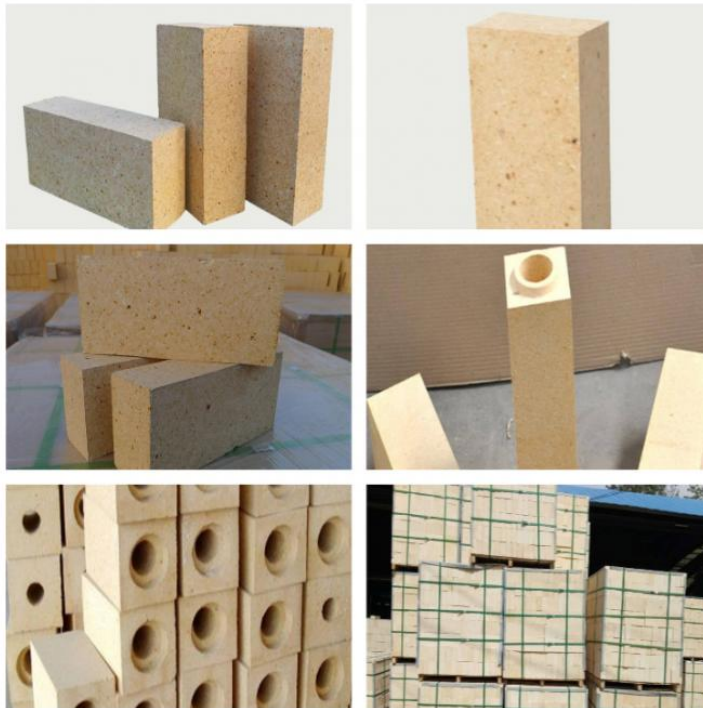
### Product Description

#### Description of Acid And Alkali Resistant Al<sub>2</sub>O<sub>3</sub> High Alumina Bricks With High Refractoriness and Heat Shock Resistance

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 .

Rongsheng factory high quality High Alumina Bricks is manufactured to meet the requirements of neutral refractoriness where safe working temperature is more than 1300 degree centigrade. We offer high Alumina Bricks in different specifications as per customer requirements.

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#### Features of Acid And Alkali Resistant Al<sub>2</sub>O<sub>3</sub> High Alumina Bricks

- 1.High refractoriness: High alumina bricks can withstand temperatures of up to 3,000 degrees Fahrenheit (1650 degrees Celsius).
- 2.Good resistance to heat shock: High alumina bricks can withstand rapid changes in temperature without cracking.
- 3.Good resistance to erosion: High alumina bricks can withstand the abrasive action of molten metal and slag.
- 4.Good resistance to chemical attack: High alumina bricks are resistant to the corrosive action of many chemicals.
- 5.Good load-bearing capacity: High alumina bricks have a high compressive strength, which makes them suitable for use in applications where they will be subjected to heavy loads.
- 6.Good dimensional stability: High alumina bricks maintain their shape and size well at high temperatures.

In addition to these features, high alumina bricks are also relatively lightweight and easy to install. They are also available in a variety of shapes and sizes, which makes them suitable for a wide range of applications.

#### Application of High Alumina Bricks

High alumina bricks are used in a variety of industries, including:

- 1.Metal casting: High alumina bricks are used to line the runners and gates of casting molds, as well as to form the crucibles in which molten metal is poured.
  - 2.Glassmaking: High alumina bricks are used to line glass furnaces and to form the molds in which glass is poured.
  - 3.Cement production: High alumina bricks are used to line cement kilns and to form the molds in which cement clinker is cooled.
  - 4.Petrochemicals: High alumina bricks are used to line reactors and other equipment in petrochemical plants.
  - 5.Metal refining: High alumina bricks are used to line furnaces and other equipment in metal refining plants.
- Power generation: High alumina bricks are used to line the boilers and furnaces of power plants.

#### Product Specification of High Alumina Bricks

Item	Specification		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 ×2h -0.4~0.2			1450 ×2h -0.4~0.1



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