

## 80% Al<sub>2</sub>O<sub>3</sub> High Alumina Refractory Bricks 1800°C Fire Brick For Kiln Building

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

- Al<sub>2</sub>O<sub>3</sub> Content: Above 48%
- Application Temperature: Below 1450
- Bulk Density: Above 2.2g/cm<sup>3</sup>
- Cold Crushing Strength: Above 55MPa
- Color: Red
- Compressive Strength: Above 110MPa
- Fe<sub>2</sub>O<sub>3</sub> Content: Below 1.2%
- Material: High Alumina Refractory Brick
- Porosity: Below 18%
- Refractoriness: Above 1790
- Shape: Rectangle
- Size: Customized
- Thermal Conductivity: Low
- Thermal Expansion Coefficient: Below 4.5×10<sup>-6</sup>/

### Product Description

#### Description of High Alumina Refractory Bricks With 80% Al<sub>2</sub>O<sub>3</sub> & 1800 Refractoriness For Furnaces And Kilns

High alumina bricks are a type of refractory brick that contains a high percentage of aluminum oxide (Al<sub>2</sub>O<sub>3</sub>). They are typically made from bauxite, a naturally occurring mineral that is rich in Al<sub>2</sub>O<sub>3</sub>. High alumina bricks are characterized by their excellent high-temperature performance, corrosion resistance, and mechanical strength.

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#### Features of High Alumina Refractory Bricks With 80% Al<sub>2</sub>O<sub>3</sub> & 1800 Refractoriness

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 Factory Price Good Quality High Alumina Brick

steel furnace, glass furnace, sodium silicate furnace, ceramic shuttle kiln, cement rotary kiln, blast furnace, electric furnace, blast furnace and reverberatory furnace.

#### Product Specification of High alumina refractory brick (1800 degree) high alumina brick used for glass furnace

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



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