

## Customized Durable And Reliable High Alumina Bricks For Long-Lasting Kiln Linings

### Our Product Introduction

#### Basic Information

- Place of Origin: Zhengzhou, China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: Grade I, Grade II, Grade III High Alumina Bricks
- 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: 20-30 Days
- Payment Terms: TT; L/C
- Supply Ability: 2000 tons /month



#### Product Specification

- Highlight: **Durable High Alumina Bricks,  
Reliable High Alumina Bricks,  
Customized High Alumina Bricks**

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## Product Description

### Product Description of Customized Durable And Reliable High Alumina Bricks For Long-Lasting Kiln Linings

High alumina refractory bricks are a type of high alumina brick used as lining materials for ceramic kilns, sodium silicate kilns, glass furnaces, blast furnaces, hot blast stoves, electric furnace roofs, blowers, reverberatory furnaces, and rotary kilns. Additionally, high alumina bricks are widely applied as regenerator checker bricks for open-hearth furnaces and as stopper and nozzle bricks in casting systems.

The production process of high alumina bricks sold by Rongsheng Refractories is similar to that of fireclay bricks with multiple clinkers. However, the key difference lies in the higher proportion of clinker in the mixture, which can reach 90–95%. Before crushing, the clinker undergoes grading, sorting, and iron removal. The firing temperature is also higher, typically ranging from 1500–1600°C when producing Grade I and II high alumina bricks in tunnel kilns. Practical production experience in China has shown that strictly sorting and grading high alumina clinker before crushing, along with co-grinding bauxite clinker and binding clay, significantly enhances product quality.

High alumina bricks are aluminosilicate refractory products with an  $\text{Al}_2\text{O}_3$  content higher than 48%. If the  $\text{Al}_2\text{O}_3$  content exceeds 90%, the product is referred to as corundum bricks. Due to differences in raw material resources, standards vary among countries. For example, European countries set the minimum  $\text{Al}_2\text{O}_3$  content for high alumina refractory materials at 42%. In China, high alumina bricks are typically classified into three grades based on their  $\text{Al}_2\text{O}_3$  content:

Grade I:  $\text{Al}_2\text{O}_3$  content > 75%

Grade II:  $\text{Al}_2\text{O}_3$  content 60–75%

Grade III:  $\text{Al}_2\text{O}_3$  content 48–60%



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