

## Rongsheng Refractory Premium High Alumina Brick Fire Resistant Arch Brick For Industrial Kilns

Our Product Introduction

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### Basic Information

- Place of Origin: Zhengzhou, China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: Rongsheng
- Minimum Order Quantity: 1 Ton
- Price: 200-800 USD
- 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: Fire Resistant Arch Brick, Industrial Kilns High Alumina Brick, Premium High Alumina Brick



### More Images



### Product Description

#### Product Overview of Rongsheng Refractory Premium High Alumina Brick Fire Resistant Arch Brick For Industrial Kilns:

Introducing our Premium High Alumina Fire Resistant Arch Brick, meticulously engineered to meet the stringent demands of industrial kilns and furnaces. Crafted from high-quality raw materials, these arch bricks are designed to withstand extreme temperatures and harsh operating conditions, ensuring longevity and efficiency in your thermal processing applications.

Our Product Introduction



**Key Features of Rongsheng Refractory Premium High Alumina Brick:**

**Superior Heat Resistance:** Our high alumina arch bricks offer exceptional resistance to high temperatures, withstanding up to 1790°C (3254°F), making them ideal for use in high-temperature industrial environments.

**Enhanced Durability:** The bricks are formulated with high-purity alumina, ensuring robust mechanical strength and resistance to slag and chemical corrosion, extending the lifespan of your kiln linings.

**Precision Engineering:** Manufactured with precise dimensions and smooth surfaces, these arch bricks ensure a tight, secure fit, reducing heat loss and improving the overall efficiency of your kiln.

**Low Thermal Conductivity:** Designed to provide excellent thermal insulation, these bricks minimize heat transfer, helping to maintain consistent internal temperatures and reduce energy consumption.

**Customizable Shapes and Sizes:** Available in a variety of shapes and sizes to meet the specific requirements of your kiln design, including standard and customized configurations.

**Applications of Rongsheng High Alumina Refractory Bricks:**

**Industrial Kilns:** Ideal for lining the roofs and walls of ceramic, cement, and glass kilns, where high heat resistance and structural integrity are paramount.

**Metallurgical Furnaces:** Perfect for use in blast furnaces, electric arc furnaces, and ladle linings, providing exceptional performance in high-temperature metal processing.

**Chemical and Petrochemical Industries:** Suitable for reactors, incinerators, and other high-temperature equipment in chemical plants, ensuring reliable operation under severe thermal and chemical conditions.

**Technical Specifications of Rongsheng High Alumina Refractory BricksArched Fire 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

**Why Choose Our High Alumina Fire Resistant Arch Bricks?**

**Quality Assurance:** Manufactured under stringent quality control standards, our arch bricks are subjected to rigorous testing to ensure they meet the highest industry benchmarks.

**Expert Support:** Our team of refractory experts is available to provide technical support and guidance, helping you select the right products for your specific needs and applications.

**Global Reach:** With a strong international presence, we offer reliable shipping and logistics services to ensure timely delivery of your orders, wherever you are located.

Contact Us:

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Transform your kiln performance with our Premium High Alumina Fire Resistant Arch Bricks, engineered for excellence and built to last.



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



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