

## Low Porosity Fireclay Bricks For Modern Industrial

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: 200-800USD
- 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: Modern Industrial Fireclay Bricks, Industrial Fireclay Bricks

Our Product Introduction

### Product Description

**Introduction:**  
 Low porosity fireclay bricks are essential in modern industrial applications where efficiency and reliability are critical. Their advanced properties make them suitable for a variety of high-temperature environments, ensuring optimal performance and durability.

**Product Features:**

Low Porosity: Enhances thermal insulation, reduces heat loss, and improves energy efficiency.  
 Thermal Shock Resistance: Withstands rapid temperature changes and harsh conditions, maintaining performance over time.  
 Mechanical Strength: Offers high compressive strength and durability, essential for industrial applications.



#### Applications:

**High-Temperature Kilns:** Used in kilns for ceramics, glass, and other materials where consistent temperature control is needed.  
**Furnaces and Boilers:** Ideal for use in industrial furnaces and boilers, providing reliable thermal management and energy savings.

**Reactor Linings:** Suitable for lining chemical reactors where high thermal stability and chemical resistance are required.  
**Advantages:**

**Enhanced Performance:** Superior insulation and thermal shock resistance lead to better overall performance in high-temperature processes.

**Cost Efficiency:** Reduced energy consumption and extended service life offer significant cost savings and improved ROI.

**Versatility:** Applicable across various industries and processes, making them a versatile choice for different applications.

#### Product Specification of Low Porosity Fireclay Bricks

| Item                                              | Index |
|---------------------------------------------------|-------|
| Al <sub>2</sub> O <sub>3</sub> %                  | ≥45   |
| Fe <sub>2</sub> O <sub>3</sub> %                  | ≤1.3  |
| Bulk Density g/cm <sup>3</sup>                    | ≥2.3  |
| Apparent Porosity %                               | ≤16   |
| Cold Crushing Strength MPa                        | ≥65   |
| Creep rate % 1200 ×50h                            | ≤0.05 |
| Thermal shock resistance cycle 1100 water cooling | 10    |



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