

## High-Performance Low Porosity Fireclay Bricks With Unmatched Durability And Efficiency

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: Unmatched Durability Fireclay Bricks,  
High Performance Fireclay Bricks,  
Low Porosity Fireclay Bricks

Our Product Introduction

### Product Description

#### Introduction of High-Performance Low Porosity Fireclay Bricks With Unmatched Durability and Efficiency

Low porosity fireclay bricks are engineered for superior performance in high-temperature environments. These bricks are characterized by their minimal porosity, which enhances their insulation properties and overall durability. Ideal for demanding industrial applications, they ensure efficient thermal management and extended operational life.

#### Product Features of High-Performance Low Porosity Fireclay Bricks

**Exceptional Thermal Insulation:** With minimal porosity, these bricks offer excellent insulation, significantly reducing heat loss and improving energy efficiency.

**High Thermal Shock Resistance:** Designed to withstand sudden temperature changes, making them ideal for high-temperature processes.

**Robust Mechanical Strength:** Their dense structure provides high compressive strength, ensuring durability under extreme conditions.



**Applications of High-Performance Low Porosity Fireclay Bricks For Kilns And Furnaces**

Steel Industry: Ideal for linings in steelmaking furnaces, where high thermal and mechanical stresses are present.  
 Glass Manufacturing: Used in glass melting furnaces to maintain stable temperatures and reduce energy consumption.  
 Cement Kilns: Provides reliable performance in rotary kilns, enhancing overall kiln efficiency.

Advantages:

Enhanced Energy Efficiency: Low porosity translates to lower thermal conductivity, leading to significant energy savings.  
 Cost-Effective Operation: Longer service life reduces maintenance costs and downtime, offering a better return on investment.  
 Improved Performance: High resistance to thermal shock and mechanical wear ensures consistent performance in challenging environments.

**Product Specification of Affordable Factory Price Low Porosite 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 x50h	≤0.05
Thermal shock resistance cycle 1100 water cooling	10

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