

## Lightweight Mullite Bricks For Extreme Temperature Resistance With Enhanced Durability

Our Product Introduction

### 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: 10-20 Days
- Payment Terms: TT; L/C
- Supply Ability: 2000tons /month



### Product Specification

- Highlight: Extreme Temperature Resistance Mullite Bricks, Enhanced Durability Mullite Bricks, Lightweight Mullite Bricks

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## Product Description

### Product Description of Cost-Effective Lightweight Mullite Bricks For Extreme Temperature Resistance With Enhanced Durability

Lightweight Mullite Brick is a high-performance refractory material that offers excellent thermal insulation properties. Manufactured from mullite ( $3\text{Al}_2\text{O}_3 \cdot 2\text{SiO}_2$ ) combined with lightweight aggregates, this product is designed to withstand high temperatures and provide superior thermal stability. It is widely used in industries that require efficient heat management, such as steel production, cement manufacturing, and industrial furnaces. Our lightweight mullite bricks are crafted using advanced technology, ensuring consistent quality and exceptional performance. With a low bulk density, these bricks significantly reduce the weight of structures while maintaining high strength, making them an ideal choice for various high-temperature applications.



### Product Features of Cost-Effective Lightweight Mullite Bricks

**Low Bulk Density:** Reduces weight without compromising strength or insulation properties.

**High Thermal Stability:** Capable of withstanding extreme temperatures up to  $1800^\circ\text{C}$  ( $3272^\circ\text{F}$ ).

**Excellent Thermal Insulation:** Provides efficient heat retention and reduces energy consumption.

**Low Thermal Conductivity:** Minimizes heat loss and improves the energy efficiency of high-temperature equipment.

**Corrosion and Abrasion Resistance:** Ideal for harsh environments with high chemical exposure.

**High Compressive Strength:** Retains structural integrity even under mechanical stress.

### Product Applications

**Lightweight Mullite Bricks are widely used in:**

**Industrial Furnaces:** Used as lining material in kilns, blast furnaces, and electric furnaces to improve insulation and heat retention.

**Steel and Metallurgical Industry:** For linings in steel-making furnaces, heating furnaces, and other high-temperature processes.

**Glass Manufacturing:** As insulation in glass melting furnaces to enhance thermal efficiency.

**Cement Kilns:** Applied in rotary kilns to protect refractory linings and reduce energy consumption.

**Ceramic Kilns:** For firing ceramic materials at high temperatures, maintaining efficiency and performance.

**Heat Exchangers:** In high-temperature reactors and other heat-exchange systems where thermal resistance is required.

### Product Advantages

**Energy Savings:** The low thermal conductivity ensures less heat loss, contributing to lower energy consumption and operating costs.

**Enhanced Durability:** The unique composition of mullite combined with lightweight aggregates makes the brick highly durable and resistant to thermal shock and mechanical wear.

**Improved Performance:** Provides superior performance in high-temperature, high-stress environments, ensuring prolonged service life and less maintenance.

**Eco-friendly:** Lightweight mullite bricks help in reducing the environmental impact by lowering energy usage and extending the life of the equipment.

### Factory Advantages

**Advanced Manufacturing Technology:** Our factory is equipped with state-of-the-art production facilities, ensuring the production of high-quality lightweight mullite bricks that meet international standards.

**Strict Quality Control:** Every batch of bricks is subjected to rigorous testing, including high-temperature

resistance, compressive strength, and thermal conductivity tests, to ensure that only the best products reach our customers.

**Custom Solutions:** We offer tailored solutions for different industries, including custom sizes and specifications to meet your specific requirements.

**Fast Delivery:** With our efficient production and logistics system, we can ensure timely delivery to any location worldwide.

### Company Overview

Henan Rongsheng Xinwei New Materials Research Institute Co., Ltd. is a leading manufacturer and supplier of high-performance refractory materials. It headquartered in Zhengzhou City, Henan Province, is affiliated to Henan Rongsheng Refractory Group. With over 20 years of industry experience, Rongsheng Refractory specialize in the development, production, and supply of a wide range of refractory products, including Lightweight Mullite Bricks, High Alumina Bricks, Magnesite Bricks, and other advanced refractory materials.

Our commitment to innovation, quality, and customer satisfaction has earned us a reputation as a trusted partner in the refractory materials industry. We export our products to more than 100 countries and regions worldwide and serve industries such as steel, cement, glass, power, and petrochemicals.

### Contact Us

For more information or inquiries, please feel free to contact us:

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We look forward to working with you and providing the best solutions for your refractory needs.



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



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