

## Light Weight Thermal Insulation Materials Refractory Zirconia Hollow Sphere Castable

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: 2000tons /month



### Product Specification

- Highlight: Refractory Zirconia Hollow Sphere Castable, Light Weight Refractory Zirconia

### Product Description

#### Product Overview of Light Weight Thermal Insulation Materials High Quality Refractory Zirconia Hollow Sphere Castable

Zirconia Hollow Sphere Castable is a premium refractory material designed to deliver exceptional thermal insulation and durability in extreme high-temperature environments. Engineered from zirconia hollow spheres, this castable offers superior resistance to thermal shock, chemical corrosion, and mechanical stress, making it ideal for applications in the most demanding industrial conditions.

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#### Key Features of Light Weight Thermal Insulation Materials High Quality Refractory Zirconia Hollow Sphere Castable

**Outstanding Thermal Insulation:** Composed of zirconia hollow spheres, this castable provides excellent thermal insulation, reducing heat loss and improving energy efficiency in high-temperature operations.

**Superior Thermal Shock Resistance:** The unique structure of zirconia hollow spheres allows the castable to withstand rapid temperature changes, ensuring stability and longevity in extreme conditions.

**High Chemical Stability:** Zirconia's chemical inertness makes this castable resistant to a wide range of corrosive environments, including those involving acids, alkalis, and slags.

**Enhanced Mechanical Strength:** The castable exhibits robust mechanical strength, maintaining structural integrity even under high mechanical loads and intense thermal cycling.

**Low Thermal Conductivity:** With its low thermal conductivity, the castable minimizes heat transfer, preserving the internal temperature of furnaces, kilns, and other high-temperature equipment.

#### Applications of Light Weight Thermal Insulation Materials High Quality Refractory Zirconia Hollow Sphere Castable

**High-Temperature Furnaces:** Ideal for lining high-temperature furnaces, particularly in industries such as metallurgy, ceramics, and glass production.

**Thermal Barrier Coatings:** Used in environments where thermal insulation is critical, such as in thermal barrier coatings for gas turbines.

**Chemical Processing Equipment:** Perfect for lining reactors and other equipment exposed to corrosive chemicals at elevated temperatures.

**Aerospace and Energy Industries:** Employed in high-performance applications where thermal management and resistance to extreme conditions are crucial.

#### Technical Specifications

Item	Zirconia Hollow Sphere Castable
Bulk Density(g/cm <sup>3</sup> )	5.7
Refractoriness( )	2550
Thermal conductivity(w/m.k)-1	0.30
Al <sub>2</sub> O <sub>3</sub> (%)	0.5
ZrO <sub>2</sub> (%)	92

#### Packaging and Delivery

**Packaging:** Available in 25 kg bags or customizable packaging options based on client requirements, ensuring product integrity during transit.

**Shipping Method:** We provide reliable global shipping services, with delivery times tailored to meet your project timelines.

#### How to contact us?

To inquire about pricing, availability, or to place an order, please contact us:

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Our team is ready to assist you with tailored solutions to meet your refractory needs.



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