

Refractory Factory Supply Alumina Magnesia Refractory Castables High-Performance

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



Product Specification

- Highlight: Alumina Magnesia Refractory Castables, Industrial Refractory Castables, High Performance Refractory Castables

Our Product Introduction

Product Description

Rongsheng Alumina Magnesia Refractory Castables For High-Performance Applications

Alumina magnesia refractory castables are high-grade, durable materials designed for use in demanding industrial environments. Combining the strength of alumina with the superior properties of magnesia, these castables offer exceptional resistance to thermal shock, high temperatures, and chemical wear. Ideal for a variety of high-temperature applications, they are frequently used in the iron, steel, and cement industries, providing reliable performance in critical areas of production.



Key Features of Alumina Magnesia Refractory Castables

Exceptional Thermal Stability

Alumina magnesia castables provide excellent resistance to high temperatures, maintaining their integrity even in the most extreme conditions, making them perfect for use in furnaces, kilns, and reactors.

Enhanced Mechanical Strength

The combination of alumina and magnesia imparts superior mechanical strength, ensuring the castable can withstand heavy mechanical stresses and abrasive wear, extending the service life of industrial equipment.

Superior Resistance to Erosion

These castables exhibit outstanding erosion resistance, particularly against molten metals and slags, reducing the need for frequent replacements and improving operational efficiency.

Excellent Thermal Shock Resistance

The unique composition of alumina and magnesia ensures that the castables can endure rapid temperature fluctuations, making them highly resistant to thermal shock.

Easy Installation and Application

Alumina magnesia refractory castables are designed for ease of installation. They can be applied by pouring, ramming, or vibrating, allowing for a flexible and efficient installation process.

Applications of Alumina Magnesia Refractory Castables

Alumina magnesia castables are widely used in industries that require materials capable of withstanding high heat and severe operating conditions. Common applications include:

Iron & Steel Industry: Linings for furnaces, ladles, and other high-temperature equipment

Cement Industry: Rotary kilns and preheaters

Non-ferrous Metal Industry: Smelting furnaces and holding furnaces

Power Generation: Boilers and industrial furnaces

Advantages of Alumina Magnesia Refractory Castables

Thermal Shock Resistance: Withstands rapid temperature changes without compromising structural integrity.

Long Service Life: Reduced wear and tear due to superior erosion resistance.

Customizable Formulas: Tailored to meet specific operational needs and conditions.

Cost-Efficiency: Extended durability leads to fewer replacements and maintenance costs.

Technical Specifications of Alumina Magnesia Castable:

Item		Specification			
		AMC70	AMC80	AMC85	
Al ₂ O ₃ +MgO %		≥70	≥80	≥85	
Bulk Density, g/cm ³		≥2.6	≥2.8	≥2.85	
CCS, MPa	110 ×24h	≥20			
	1000 ×3h	≥30			
Test Temperature×3h		≥50 1500	≥50 1550	≥60 1550	
PLC, % ×3h		-0.5~+1.5	-0.5~+1.8	-0.2~+1.8	
		1500	1550	1550	

Contact Us

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