

High-Performance Fused Magnesia Bricks For High-Temperature Industries

Our Product Introduction

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Basic Information

- Place of Origin: Zhengzhou, China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: DMZ-92, DMZ-95, DMZ-96, DMZ-97, DMZ-98
- 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: Fused Magnesia Bricks, High Performance Magnesia Bricks, High Temperature Magnesia Bricks



More Images



Product Description

Overview of High-Performance Fused Magnesia Bricks At Competitive Prices For High-Temperature Industries

Fused Magnesia Bricks are premium refractory materials engineered to deliver outstanding performance in high-temperature industrial environments. Renowned for their excellent refractory properties, superior corrosion resistance, and robust mechanical strength, Fused Magnesia Bricks are indispensable in sectors such as steel, glass, cement, and non-ferrous metal production.

Our Product Introduction



Product Features of High-Performance Fused Magnesia Bricks

- 1.Exceptional Refractoriness:** With a melting point exceeding 2800°C, Fused Magnesia Bricks are capable of withstanding extreme temperatures, making them perfect for high-temperature furnaces and kilns.
- 2.Superior Corrosion Resistance:** These bricks resist chemical attacks from basic slags and alkaline substances, ensuring a longer service life in harsh operational environments.
- 3.High Mechanical Strength:** Fused Magnesia Bricks maintain their structural integrity under mechanical stress and high temperatures, providing reliable performance in demanding applications.
- 4.Low Thermal Conductivity:** These bricks offer excellent insulation properties and enhance energy efficiency in industrial applications due to their low thermal conductivity.

Product Composition and Classification

The primary component of Fused Magnesia Bricks is magnesia, with a typical magnesia content of over 90%. The main crystalline phase in these bricks is periclase. Magnesia bricks are generally classified into two main types:

Sintered Magnesia Bricks: Produced by sintering magnesia, these bricks are further categorized into:

Direct Combination Magnesia Bricks: Formed through direct contact sintering.

Reunited Fused Magnesia Bricks: Manufactured from electric-fused magnesia, offering exceptional stability and performance.

Chemical Combination Magnesia Refractory Bricks: These bricks are bonded chemically, providing tailored properties for specific applications.

Applications of Fused Magnesia Bricks From Rongsheng Refractory Factory

1.Steel Industry: Fused Magnesia Bricks are utilized in electric arc furnaces, basic oxygen furnaces, and ladles due to their ability to withstand high temperatures and corrosive environments.

2.Glass Industry: Ideal for glass tank regenerators and crowns, these bricks can endure high temperatures and resist corrosion from molten glass.

3.Cement Industry: Employed in rotary kilns and other high-temperature zones, Fused Magnesia Bricks offer durability and resistance to clinker reactions.

4.Non-Ferrous Metal Industry: These bricks are suitable for furnaces and reactors where non-ferrous metals are processed, ensuring stability and longevity.

Product Specification of Rongsheng Fused Magnesia Brick

Item	Fused Magnesite Bricks			
	DMZ-92	DMZ-95	DMZ-96	DMZ-97
Grade	DMZ-92	DMZ-95	DMZ-96	DMZ-97
MagO (%)	92.5	95.2	96.1	96.65
CaO (%)	1.8	1.55	1.35	1.3
SiO2 (%)	3.5	1.95	1.32	1.1
0.2Mpa Refractoriness Under Load T0.6	1600	1700	1700	1701
Cold Crushing Strength (Mpa)	80	85	85	84
Bulk Density g/cm³	2.96	2.98	3.05	3.06
Apparent Porosity %	15.5	15.2	14.7	14.8

Why Choose Our High Quality Affordable Price Fused Magnesia Bricks?

1.High Purity Raw Materials: Our Fused Magnesia Bricks are manufactured using the highest quality raw materials, ensuring superior performance and reliability.

2.Advanced Manufacturing Processes: We use state-of-the-art manufacturing techniques to produce Fused Magnesia Refractory Bricks that meet stringent industry standards.

3.Competitive Pricing: Our efficient production methods and direct factory supply chain enable us to offer Fused Magnesia Bricks at competitive prices, providing excellent value for our customers.

4.Global Export Expertise: With extensive experience in exporting refractory materials worldwide, we ensure timely delivery and comprehensive support for our international customers.

5.Customized Solutions: We provide tailored solutions to meet specific customer requirements, offering bespoke sizes and compositions to suit unique industrial applications.

6.Comprehensive Technical Support: Our team of experts is available to provide technical support and guidance, ensuring optimal performance and longevity of our Fused Magnesia Bricks in your applications.

Contact Us

Discover the benefits of our high-quality Fused Magnesia Bricks and enhance the efficiency and durability of your high-temperature operations. For inquiries and more information, please contact us:

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



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