

Industrial Furnace Refractory Bricks High Alumina Refractory Bricks Ceramic Kiln

Our Product Introduction

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Basic Information

- Place of Origin: Zhengzhou ,China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: Chromium Fused Alumina, Fused Alumina, Corundum Spinel
- 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: 20-30DAYS
- Payment Terms: TT; L/C



Product Specification

- Abrasion Resistance: High
- Chemical Resistance: High
- Color: White, Red, Yellow, Etc.
- Compressive Strength: High
- Density: High
- Flexural Strength: High
- Material: Clay, Alumina, Silica, Magnesia, Etc.
- Porosity: Low
- Refractoriness: High
- Shape: Rectangular, Arch, Etc.
- Size: Customized
- Surface: Smooth, Rough, Etc.
- Thermal Conductivity: High
- Thermal Expansion: Low
- Thermal Shock Resistance: High

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Product Description

Fire-resistant high alumina ceramic kiln oven nozzle brick for industrial furnace

Description of Nozzle bricks:

Nozzle bricks are a type of specialized refractory material used in industrial furnaces, particularly in steelmaking processes. They play a crucial role in controlling the flow of molten metal and other materials within the furnace. Here's a brief introduction to nozzle bricks:

Nozzle bricks are typically composed of high-quality refractory materials such as magnesia, magnesia-alumina spinel, or other high-temperature-resistant compounds. The specific composition may vary based on the requirements of the application.

Function: They serve as a lining or nozzle in the taphole of a furnace. The taphole is an opening at the bottom of the furnace used to release molten metal or slag. Nozzle bricks help regulate the flow and prevent clogging.

Features of Nozzle bricks:

- 1.High Temperature Resistance

- 2.Excellent Erosion and Corrosion Resistance
- 3.Good Thermal Shock Resistance

Applications:
Nozzle bricks are primarily used in steelmaking processes, particularly in blast furnaces and electric arc furnaces, where they control the flow of molten metal and slag during tapping.

Technical Parameter of Nozzle Brick:

Item	Index		
	Chromium Fused Alumina	Fused Alumina	Corundum
Al ₂ O ₃ %	≥90	≥92	
Al ₂ O ₃ +MgO %	/	/	
Cr ₂ O ₃ %	≥2	/	
Bulk density g/cm ³	≥3.0	≥2.95	
Cold Crushing Strength MPa	≥60	≥50	
0.2MPa Refractoriness under load	≥1700	≥1700	



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