

## 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 <sub>2</sub> O <sub>3</sub> %      | ≥90                    | ≥92           |          |
| Al <sub>2</sub> O <sub>3</sub> +MgO % | /                      | /             |          |
| Cr <sub>2</sub> O <sub>3</sub> %      | ≥2                     | /             |          |
| Bulk density g/cm <sup>3</sup>        | ≥3.0                   | ≥2.95         |          |
| Cold Crushing Strength MPa            | ≥60                    | ≥50           |          |
| 0.2MPa Refractoriness under load      | ≥1700                  | ≥1700         |          |



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