

Factory Wholesale Price High Alumina Refractory Brick RS-55 RS-65 RS-75 Alumina Brick For Steel And Glass Furnace

Our Product Introduction

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Basic Information

- Place of Origin: Zhengzhou ,China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: RS-48, RS-55, RS-65, RS-75, RS-80
- 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
- Supply Ability: 2000tons /month



Product Specification

- Alumina Content: $\geq 48\%$
- Application Temperature: ≤ 1500
- Bending Strength: $\geq 25\text{MPa}$
- Carbon Content: $\leq 1.5\%$
- Color: White, Gray, Red, Brown
- Compressive Strength: $\geq 50\text{MPa}$
- Density: $2.2-2.4\text{g/cm}^3$
- Material: High Alumina Refractory Brick
- Refractoriness: ≥ 1700
- Refractoriness Under Load: ≥ 1450
- Shape: Square, Rectangle, Round, Customized
- Silica Content: $\leq 2.5\%$
- Size: Standard And Customized
- Thermal Conductivity: $\leq 0.6\text{W/m.K}$
- Thermal Shock Resistance: Good



More Images



Product Description

Product Description of Factory Wholesale Price High Alumina Refractory Brick RS-55 RS-65 RS-75 Alumina Brick For Steel And Glass Furnace

High alumina brick is an alumina-silicate refractory material containing over 48% alumina oxide. It is produced through the calcination and molding of bauxite or materials with a high Al_2O_3 content. It exhibits excellent thermal stability with a refractoriness exceeding 1770 . Additionally, it offers strong resistance to slag, making it ideal for lining steel-making electric furnaces, glass furnaces, and cement kilns.

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Features And Application of RS-55 RS-65 RS-75 Alumina Brick For Steel And Glass Furnace

High Alumina bricks possess outstanding characteristics such as exceptional high-temperature resistance, impressive resistance to corrosion and abrasion, elevated bulk density, and minimal iron content. They find extensive applications in mining, metallurgy, cement, chemical, refinery, and refractory industries. These High Alumina bricks, containing 70% Al_2O_3 , are suitable for a wide range of uses including electric arc furnace roofs, steel ladles, cement rotary kilns and their coolers, lime kilns, aluminum melting furnaces, kilns for the chemical industry, reheating furnaces and soaking pits, and glass tank furnaces among others.

Product Specifications of Factory Wholesale Price High Alumina Refractory Brick

Item	Properties				
	RS-80	RS-75	RS-65	RS-55	
Al_2O_3 (%)	80	≥ 75	≥ 65	≥ 55	
Refractoriness ($^{\circ}\text{C}$)	≥ 1790	≥ 1790	≥ 1790	≥ 1770	
Bulk density (g/cm^3)	2.65	2.5	2.45	2.4	
Softening temperature under load ($^{\circ}\text{C}$)	1530	≥ 1520	≥ 1500	≥ 1470	
Linear changes on reheating (%)	1500 $^{\circ}\text{C} \times 2\text{H}$	0.1	0.1	0.1	
		-0.4	-0.4	-0.4	
	1450 $^{\circ}\text{C} \times 2\text{H}$				
Apparent porosity (%)	22	≤ 23	≤ 23	≤ 22	
Cold crushing strength (Mpa)	55	≥ 50	≥ 45	≥ 40	
Application	steel furnace, glass furnace, sodium silicate furnace, ceramic shuttle kiln, cement rotary kiln, blast furnace, blast furnace and reverberatory furnace.				



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