

Factory Price Refractory High Alumina Brick Al2O3 Fire Resistant Brick For **Blast And Smelting Furnace**

packed on wooden pallets, with water-proof cover, and tightened with plastic/steel

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Basic Information • Place of Origin: Zhengzhou ,China • Brand Name: Rongsheng Xinwei Certification: ISO9001 RS-48, RS-55, RS-65, RS-75, RS-80

- Model Number:
- Minimum Order Quantity: 1 Ton 200-800USD
- Price: • Packaging Details:
- Delivery Time:
- Payment Terms:
- Supply Ability: 2000tons /month

Product Specification

Al2O3 Content:	≥48%		
Application Temperature:	≤1450		
 Bulk Density: 	≥2.2g/cm3		
Color:	Red		
Compressive Strength:	≥60MPa		
Density:	2.2-2.4g/cm3		
 Fe2O3 Content: 	≤2.5%		
Material:	High Alumina Refractory Brick		
 Porosity: 	≤20%		
Refractoriness:	≥1700		
 Refractoriness Under Load: ≥1450 			
• Shape:	Rectangle		
• Size:	Customized		
 Thermal Conductivity: 	≤1.1W/m.K		

bandages 20-30DAYS

TT; L/C

• Thermal Shock Resistance: Good

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Product Description

Description of Factory Price Refractory High Alumina Brick Al2O3 Fire Resistant Brick For Blast And Smelting Furnace

High alumina brick is an aluminum silicate refractory material with an Al2O3 content exceeding 48%. It is shaped and calcined using bauxite or other materials rich in alumina. It exhibits excellent thermal stability, with a refractory capability surpassing 1770 °C.

In China, High Alumina Bricks are categorized into three grades based on their Al2O3 content:

Grade I High Alumina Bricks contain over 75% Al2O3. Grade II High Alumina Bricks have an Al2O3 content ranging from 60 to 75%. Grade III High Alumina Bricks comprise 48 to 60% Al2O3 content.



Features of Al2O3 Fire Resistant Brick For Blast And Smelting Furnace

High Alumina Brick has properties of high refractoriness, high strength, good slag resistance, acid and erosion resistance, good thermal stability and so on.

Product Application of High Alumina Bricks

High Alumina Brick has properties of high refractoriness, high strength, good slag resistance, acid and erosion resistance, good thermal stability and so on.

1.Blast furnace,hot blast stove,electric furnace,ladle,tundish,heating furnace,refining furnace,reheating furnace,annealing furnace,reverberatory furnace,cupola furnace,open hearth furnace, rotary kiln.

2.Smelting furnace, refining furnace, reverberatory furnace, converter furnace.

3.Building materials industry:Cement kiln,glass kiln,ceramic kiln,lime kilns,kiln car,tunnel kiln.

4. Coke oven, circulating fluidized bed boiler, carbon roasting furnace, incinerators.

5.Petrochemical industry furnace, Plugs, nozzle bricks, etc. used in the pouring system.

Product Specification of High alumina brick

Item	Properties				
Item		RS-80	RS-75	RS-65	RS-5
Al2O3 (%)		80	≥75	≥65	≥55
Refractoriness (°C) Bulk density (g/cm3)		≥1790	≥1790	≥1790	≥177
		2.65	2.5	2.45	2.4
Softening temperature under load (°C)		1530	≥1520	≥1500	≥147
Reheating Linear changes Rate (%)	1500°CX2H	0.1	0.1	0.1	0.1
	1450°CX2H	-0.4	-0.4	-0.4	-0.4
Apparent porosity (%)		22	≤23	≤23	≤22
Cold crushing strength (Mpa)	Cold crushing strength (Mpa)		≥50	≥45	≥40

Senses are allowed Henan Rongsheng Xinwei New Materials Research Institute Co., Ltd

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