

## Good Wear Resistance High Alumina Brick Phosphate Bonded Kiln Refractory Bricks

Our Product Introduction

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### Basic Information

- Place of Origin: Zhengzhou ,China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: Rongsheng
- 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: Above 85%
- Application: Industrial Furnace
- Bulk Density: 2.0-2.3g/cm<sup>3</sup>
- Chemical Stability: Good
- Cold Crushing Strength: Above 40MPa
- Color: Red
- Material: High Alumina Refractory Brick
- Packaging: Pallet
- Porosity: Below 22%
- Refractoriness: Above 1750
- Shape: Rectangular
- Size: Customized
- Thermal Conductivity: Low
- Thermal Shock Resistance: Good
- Highlight: **Good Wear Resistance High Alumina Brick,**



### Product Description

Good Wear Resistance Phosphate Bonded High Alumina Brick For Kilns And Furnaces

#### Description of Phosphate bonded high alumina brick

Phosphate bonded high alumina brick is a type of refractory brick that is made from high alumina bauxite clinker and phosphoric acid or aluminum phosphate binder. It is a non-fired brick, meaning that it is heat-treated at a relatively low temperature of 400-600°C. Rongsheng Refractory Group has high-quality phosphate bonded alumina brick for sale at a low price, we have a full range of phosphate bonded high alumina bricks in various shapes and sizes available on request. If you have any intentions, please leave your message in the chart below, we will be in contact soon!

Our Product Introduction



#### Advantages of Phosphate bonded high alumina brick

- 1.High refractoriness
- 2.Good wear resistance
- 3.High corrosion resistance
- 4.Good thermal conductivity
- 5.Low thermal expansion

#### Application of Phosphate bonded high alumina brick

Phosphate bonded high alumina brick is used in a wide range of industries, including:

Iron and steel industry: Phosphate bonded high alumina brick is used in blast furnaces, open hearth furnaces, electric arc furnaces, and other high-temperature furnaces.

Cement industry: Phosphate bonded high alumina brick is used in rotary kilns, coolers, and other cement processing equipment.

Petrochemical industry: Phosphate bonded high alumina brick is used in crackers, reformers, and other petrochemical processing equipment.

Glass industry: Phosphate bonded high alumina brick is used in glass furnaces and other glass processing equipment.

Incineration industry: Phosphate bonded high alumina brick is used in incinerators and other waste treatment equipment.

Phosphate bonded high alumina brick is a versatile and durable refractory material that is suitable for use in a wide range of high-temperature applications. It is available in a variety of shapes and sizes to meet the specific needs of different applications.

#### Parameters of Standard High Alumina Phosphate Bonded High Alumina Bricks in China:

Classification		High Alumina Phosphate Bonded Firebrick		
		P-80	Pa-80	Pa-85
Typical Chemical Analysis:	Al <sub>2</sub> O <sub>3</sub> % Min.	75	77	86
	CaO% Max.	2.1	2.1	2.1
	Fe <sub>2</sub> O <sub>3</sub> % Max.	0.6	0.6	0.6
Refractoriness: Min.		1770	1770	1770
Bulk Density: g/cm		2.65	2.7	2.7
Cold Crushing Strength MPa Min.		60	64	11
Refractoriness Under Load:0.2mpa ≥		1350	1300	13
application		high temperature part of cement rotary kiln linings		seriously abraded part of cement rotary kiln



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