Dry Pressed Insulating Refractory Brick Kiln Fired Clay Bricks Low Porosity Fireclay Bricks

Our Product Introduction

Basic Information

- Place of Origin: Zhengzhou, Henan, China
- Brand Name: Rongsheng Xinwei
- Certification: ISO Certification
- Model Number: SK-30, SK-32, SK-34, SK-35
- Minimum Order Quantity: 1 Ton
- Price: 200-800 USD
- Packaging Details: packed on wooden pallets, with water-proof cover, and tightened with plastic/steel bandages
- Delivery Time: 10-20 Days
- Payment Terms: TT; L/C
- Supply Ability: 2000 tons /month

Product Specification

- Chemical Resistance: High
- Color: Yellow
- Compressive Strength: High
- Density: High
- Durability: High
- Fire Resistance: High
- Frost Resistance: High
- Material: Clay
- Shape: Rectangular
- Size: Standard
- Surface Finish: Glazed
- Texture: Smooth
- Thermal Conductivity: Low
- Usage: Construction
- Water Absorption: Low

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Our Product Introduc

Product Description

Product Description of Dry Pressed Insulating Refractory Brick Kiln Fired Clay Bricks Low Porosity Fireclay Bricks
Fireclay bricks are a type of refractory brick made from aluminum silicate materials. They have an alumina content of 30-40% and a melting point of up to 1690-1730 degrees Celsius. Fireclay bricks are made from kaolinite ($Al_2O_3 \cdot 2SiO_2 \cdot 2H_2O$) as the main mineral composition, with impurities of 6-7%, including potassium, sodium, calcium, titanium, and ferrous oxide. Fireclay bricks are classified as slightly acidic refractory materials that can resist acid slag and gas erosion.

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Features of Dry Pressed Insulating Refractory Brick Kiln Fired Clay Bricks Low Porosity Fireclay Bricks
Fireclay bricks are highly heat-resistant ceramic bricks designed for use in high-temperature environments. Key features include:

1.High Heat Resistance: Can withstand temperatures up to 1,200-1,800°C (2,192-3,272°F).

2.Excellent Thermal Insulation: Low thermal conductivity for conserving heat.

3.Chemical Resistance: Resistant to chemical corrosion.

4.Abrasion Resistance: Endures wear and tear.

5.Low Porosity: Doesn't absorb water or liquids easily.

6.Dimensional Stability: Maintains shape under extreme heat.

7.Versatile: Used in steelmaking, glassmaking, and various industrial applications.

8.Customizable: Can be shaped to fit specific needs.

9.Cost-Effective: Offers good performance for the cost.

10.Long-lasting: With proper maintenance, provides a reliable solution for high-temperature environments.

Applications of Dry Pressed Insulating Refractory Brick Kiln Fired Clay Bricks
1. Furnaces of metallurgy industry, heat treatment furnace
2. Furnaces of chemical industry and construction industry.
3. Furnace of incineration of garbage, recirculating fluidized bed furnace

Product Specification of Kiln Fired Clay Bricks Low Porosity Fireclay Bricks
Standard sizing: 230 x 114 x 65 mm others up to the client

Item/Grade	Fire clay brick				High alumin		
	SK-30	SK-32	SK-34	SK-35	SK-36	SK-37	
AL2O3% (≥)	30	35	38	45	55	65	
Fe2O3% (≤)	2.5	2.5	2.0	2.0	2.0	2.0	
Refractoriness(SK)	30	32	34	35	36	37	
Refractoriness under load, 0.2MPa, °C (≥)	1250	1300	1360	1420	1450	1480	
Apparent porosity (%)	22-26	20-24	20-22	18-20	20-23	20-23	
Bulk density (g/cm³)	1.9-2.0	1.95-2.1	2.1-2.2	2.15-2.22	2.25-2.4	2.3-2.5	
Cold crushing strength ,MPa (≥)	20	25	30	40	45	50	

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