

## Low Thermal Conductivity Fireclay Brick Sk32 Sk34 Sk36 For Blast Furnace

Our Product Introduction

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### Basic Information

- Place of Origin: Zhengzhou, China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: Sk32, Sk34, Sk36
- 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

- Abrasion Resistance: High
- Acid Resistance: High
- Chemical Resistance: High
- Color: Yellow
- Durability: High
- Fire Resistance: Yes
- Frost Resistance: Yes
- Impact Resistance: High
- Material: Fireclay
- Moisture Resistance: Yes
- Shape: Rectangular
- Size: Brick
- Texture: Smooth
- Thermal Shock Resistance: High
- Highlight: low thermal conductivity fireclay brick,



### More Images



### Product Description

#### Product Description of Low Thermal Conductivity High Quality Fireclay Brick Sk32 Sk34 Sk36 For Blast Furnace

Fireclay bricks are a type of clay product made from aluminum silicate materials with an Al<sub>2</sub>O<sub>3</sub> content of 30% to 40%. Their refractoriness is up to 1690 to 1730 degrees Celsius. The main mineral composition of fireclay bricks is kaolinite (Al<sub>2</sub>O<sub>3</sub>·2SiO<sub>2</sub>·2H<sub>2</sub>O), with impurities of 6 to 7%, such as potassium, sodium, calcium, titanium, and ferrous oxide.

Fireclay bricks are a slightly acidic refractory product that can resist acid slag and gas erosion.

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#### Product Features of High Quality Fire Clay Bricks

High refractoriness: Fireclay bricks can withstand temperatures of up to 1730°C (3146°F).

High strength: Fireclay bricks are strong and durable, and can withstand high compressive loads.

Low thermal conductivity: Fireclay bricks have a low thermal conductivity, which means that they heat up slowly and cool down slowly. This makes them ideal for use in applications where it is important to maintain a stable temperature.

Good resistance to chemical attack: Fireclay bricks are resistant to attack by most chemicals, including acids and alkalis.

Low shrinkage: Fireclay bricks have a low shrinkage rate, which means that they will not deform or crack when subjected to high temperatures.

#### Application of Competitive Price High Quality Fireclay Brick Sk34 Sk35 Sk36

Furnace construction

Blast furnace/Hot blast stove

Steel foundries

Furnace in the nonferrous metal industry

Coke oven and gas furnace

Glass industry

Cement industry

Safety lining of ladle

Backup lining of boiler

#### Technical Data of Rongsheng Refractory Fire Clay Brick

Item	Fire Clay Brick SK-32	Fire Clay Brick SK-34	Fire Clay
Al <sub>2</sub> O <sub>3</sub> (%)	30	38	
Fe <sub>2</sub> O <sub>3</sub> (%)	3	2.5	
Refractoriness (SK)	32	34	
Refractoriness under load, 0.2MPa, T <sub>a</sub> , (°C)	1300	1350	
Porosity (%)	22-26	19-23	
Bulk density (g/cm <sup>3</sup> )	2.05	2.10-2.15	2.1
Cold crushing strength (MPa)	25	25	
Thermal expansion at 1000°C (%)	0.6	0.6	



**Henan Rongsheng Xinwei New Materials Research Institute Co., Ltd**



+86-18538509097



Jackyhan2023@outlook.com



[bricksrefractory.com](http://bricksrefractory.com)

11th Floors, Building 6, China Central Electronic Commerce Port, Daxue Road, Zhengzhou, Henan, China