

High Density High Alumina Kiln Lining Brick For Industrial Furnace With Good Thermal Insulation & Strength

Our Product Introduction

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Basic Information

- Place of Origin: Zhengzhou ,China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: LZ-48, LZ-55, LZ-65, LZ-70, LZ-75, LZ-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: Industrial Furnace
- Color: Red
- Compressive Strength: $\geq 50\text{MPa}$
- Density: $2.2-2.4\text{g/cm}^3$
- Material: High Alumina Refractory Brick
- Package: Wooden Pallet
- Porosity: $\leq 20\%$
- Refractoriness: ≥ 1700
- Refractoriness Under Load: ≥ 1450
- Shape: Rectangle
- Size: Customized
- Softening Temperature: ≥ 1400
- Thermal Conductivity: $\leq 0.6\text{W/m.K}$
- Thermal Shock Resistance: Excellent



More Images



Product Description

Product Descriptions From High Density High Alumina Kiln Lining Brick For Industrial Furnace With Good Thermal Insulation & Strength

High alumina brick is a kind of neutral refractory with alumina content above 48%. It is formed by shaping and calcining bauxite or other raw materials with high alumina content. High thermal stability and fire resistance above 1770 .

We bring forth high quality High Alumina Bricks, which is manufactured to meet the requirements of neutral refractoriness where safe working temperature is more than 1300 degree centigrade. We offer high Alumina Bricks in different specifications as per customer requirements.

Our Product Introduction



Product Features of High Density High Alumina Kiln Lining Brick For Industrial Furnace

1. High alumina bricks have properties of high refractoriness, high strength, acid and washing erosion resistance, good thermal stability and so on.
2. Low bulk density, low thermal conductivity, good thermal insulation performance.
3. High compressive strength.
4. Refractory category allows direct contact of fire, suitable for various atmospheres.
5. Long service life, easy operation.

Product Application of High Alumina Bricks With Long Service Life & Easy Operation

High alumina bricks are widely used in cement, glass building materials, steel smelting, petrochemical and other industries.

1. Iron & steel making industry: Blast furnace, hot blast stove, electric furnace, ladle, tundish, heating furnace, refining furnace, reheating furnace, annealing furnace, cupola furnace.
2. Non-ferrous Metal industry: 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. Energy & Incineration: Coke oven, circulating fluidized bed boiler, carbon roasting furnace, incinerators.
5. Others: Petrochemical industry furnace.

In addition, high alumina bricks can also be processed into open hearth regenerative grid bricks, socket bricks for pouring system, nozzle bricks, etc. according to the requirements of industrial furnaces.

Product Specification of High Alumina Bricks

| Item | Index | | | |
|----------------------------------|----------------------|-------|-------|----------------------|
| | SK40 | SK38 | SK37 | SK36 |
| | LZ-80 | LZ-75 | LZ-65 | LZ-55 |
| Al ₂ O ₃ % | ≥80 | ≥75 | ≥65 | ≥55 |
| Apparent Porosity, % | ≤21 | ≤24 | ≤24 | ≤22 |
| CCS, MPa | ≥70 | ≥60 | ≥50 | ≥45 |
| 0.2MPa RUL | ≥1530 | ≥1520 | ≥1500 | ≥1450 |
| PLC, % | 1500 ×2h -0.4~0.2 | | | 1450 ×2h -0.4~0.1 |



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