

## High Alumina Refractory Runner Brick With Good Thermal Shock Resistance & Chemical Resistance for Iron Making Furnaces

Our Product Introduction

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### Basic Information

- Place of Origin: Zhengzhou ,China
- Brand Name: Rongsheng Xinwei
- Certification: ISO9001
- Model Number: FC-36, FC-40, HL-48, HL-55, HL-65, HL-70
- 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

- Al<sub>2</sub>O<sub>3</sub> Content: ≥48%
- Application Temperature: ≤1700
- Cold Crushing Strength: ≥45MPa
- Color: White/Gray/Yellow/Red
- Compressive Strength: ≥50MPa
- Density: 2.2-2.4g/cm<sup>3</sup>
- Fe<sub>2</sub>O<sub>3</sub> Content: ≤2.5%
- Linear Change Rate Of Refractoriness: ≤0.2%
- Material: High Alumina Refractory Brick
- Refractoriness Under Load: ≥1700
- Shape: Square/Rectangle/Circle/Arch/Trapezoid
- SiO<sub>2</sub> Content: ≤45%
- Size: Customized
- Thermal Conductivity: ≤0.8W/m.K



### More Images



### Product Description

#### Description of High Alumina Refractory Runner Brick With Good Thermal Shock Resistance & Chemical Resistance for Iron Making Furnaces

We can offer a complete range of runner brick for steel ingot castings composition. In order to meet the specific requirements of each steel plant, we has set up a vast assortment of moulds and is therefore in a position to produce custom-made products or special shapes according to different production requirements.

Refractory bricks for casting include a number of clay refractory bricks, high alumina refractory bricks, mullite refractory bricks of different shapes and sizes, mainly funnel bricks, center bricks, ingot casting brick, tail bricks, bottom bricks and plug heads, etc., with high refractoriness, large steel throughput, high strength and good thermal shock stability.

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#### Key Properties of Refractory Runner Bricks:

- 1.High refractoriness: Runner bricks must be able to withstand the high temperatures of the molten metal.
- 2.Good erosion resistance: Runner bricks must be able to withstand the abrasive action of the molten metal.
- 3.Good chemical resistance: Runner bricks must be resistant to the corrosive action of the molten metal and slag.
- 4.Good thermal shock resistance: Runner bricks must be able to withstand rapid changes in temperature.
- 5.Good dimensional stability: Runner bricks must be able to maintain their shape and size under the high temperatures and pressures of the casting process.

#### Refractory Runner Bricks Applications

1. Steel furnaces;
2. Iron making furnaces;
3. Glass kiln;
4. Ceramic tunnel kiln;
5. Cement kiln;

#### Product Specification of Refractory Runner Bricks

Modle/item	Fire-clay		High Alumina				
	FC-36	FC-40	HL-48	HL-55	HL-65	HL-70	
Al <sub>2</sub> O <sub>3</sub> %	>36	>40	>48	>55	>65	>70	
Fe <sub>2</sub> O <sub>3</sub> %	<2.0	<1.8	<2.0	<2.0	<2.0	<1.5	
Alkalinity %	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	
Apparent porosity %	17-25	<22	<25	<26	<26	<25	
Bulk Density g/cm <sup>3</sup>	>2.1	>2.18	>2.2	>2.25	>2.3	>2.35	
Refractoriness	>1700	>1710	>1750	>1770	>1790	>1790	



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