

## High Quality Assured Dense Zircon Bricks Furnace Refractory Bricks For Enhanced Performance in Glass Kilns

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: 200-800 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

- Thermal Expansion: Low
- Strength: High
- Corrosion Resistance: High
- Model: As Required
- Application: Furnace, Kiln, Incinerator, Etc.
- Feature: High Temperature Resistance
- Compressive Strength: 50-200MPa
- Improved Product Quality: Yes
- Flexural Strength:  $\geq 10$ MPa
- Chemical Composition: High, Medium, Low
- True Density:  $\leq 2.33$  G/cm<sup>3</sup>
- Moisture Content: Low
- Material: Silica, Alumina, Magnesia, Zirconia, Etc.
- Color: White, Yellow, Brown, Etc.
- Packing: Wooden Pallets Or Cartons



### More Images



### Product Description

#### Product Description of High Quality Assured Dense Zircon Bricks Furnace Refractory Bricks For Enhanced Performance in Glass Kilns

Dense zircon bricks are a type of refractory brick, meaning they are used in high-temperature environments. They are made from zirconium silicate (ZrSiO<sub>4</sub>) and are known for their high density, low porosity, and excellent thermal shock resistance.

Because of these properties, they are commonly used in glass furnaces, particularly for the bottom blocks, superstructure blocks, tuckstones, transition bricks, flow blocks, and thermocouple and peephole blocks. They can also be found in soda-lime glass kilns, channel blocks, and the sidewall of glass fiber kilns and floating glass tanks.

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**Key Properties of High Quality Assured Dense Zircon Bricks:**

High refractoriness: They can withstand temperatures exceeding 2400°C (4352°F).  
 Excellent thermal shock resistance: They can withstand rapid changes in temperature without cracking or spalling.  
 High corrosion resistance: They are resistant to attack by molten glass and other corrosive chemicals.  
 High mechanical strength: They are strong and durable, even at high temperatures.  
 Low thermal conductivity: They help to insulate furnaces and kilns, reducing heat loss.

**Product Specification of Dense Zircon Bricks For Glass Kilns**

Item	Indicator				
	Symbol	ZS-G	ZS-Z	ZS-65A	ZS-65B
Bulk Density/(g/cm³)	≥	4.30	4.10	3.70	3.70
Apparent Porosity/ (%)	≤	1	11	17	19
Room Temperature Compressive Strength/MPa	≥	300	200	100	80
Refractoriness Under Load T <sub>0.6</sub> /(°C)	≥	1700	1700	1680	1650
resistance to glass liquid erosion under static conditions/ (cm²/24h) (alkali-free glass,1500 ×48h)				Provide Detection Data	
Chemical Composition/%	Zr O <sub>2</sub>	≥	65	68	65
	Si O <sub>2</sub>	≤	32	30	33
	Fe <sub>2</sub> O <sub>3</sub>	≤	0.20	0.2	0.2
	Ti O <sub>2</sub>	≤	1.2	1.2	1.2

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