

## High Purity Silicon Carbide Sic Refractory Bricks Rectangular With Long Service Life

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

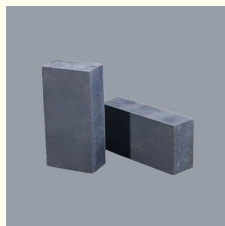


### Product Specification

- Acid Resistance: Good
- Bulk Density: High
- Color: White
- Compressive Strength:  $\geq 70\text{MPa}$
- Corrosion Resistance: High
- Density:  $2.3\text{g/cm}^3$
- Feature: High Temperature Resistance
- Moisture Content: Low
- Refractoriness Under Load:  $\geq 1500$
- Shape: Rectangular
- Softening Temperature: High/Medium/Low
- Thermal Shock Resistance:  $\geq 20$  Times
- True Density:  $\leq 2.33\text{ g/cm}^3$
- Type: Ceramic Honeycombs
- Weight: As Designed



### More Images

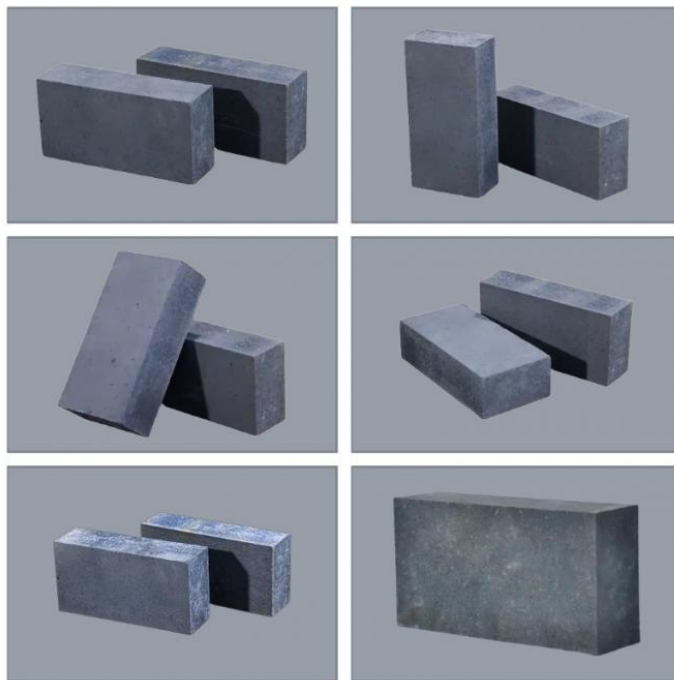


### Product Description

#### Low Price High Purity Silicon Carbide Brick Sic Brick Refractory Bricks With Long Service Life

Silicon carbide bricks based on silicon carbide as main raw materials, oxide as binder firing of refractory products. High temperature silicon carbide refractory brick are combined with high purity silicon carbide and ultra fines, shaped by vibration, made by high sintering. The SiC brick is an oxide bonded silicon carbide based product, which is used in Kiln Furniture. It is featured with high bending strength at elevated temperature, good abrasion resistance, Resistance to thermal shock, high thermal conductivity and offers a good life.

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#### Features of High temperature silicon carbide refractory brick:

- 1.It has the characteristics of ware resistance, thermal shock resistance, high temperature structural and high resistivity to alkalis.
- 2.Excellent thermal stability and distortion resistance at high temperature
- 3.High mechanical strength at high temperature
- 4.Excellent thermal shock resistance
- 5.High thermal conductivity
- 6.Excellent oxidating resistance
- 7.Excellent corrosion resistance at high temperature
- 8.Excellent corrosion resistance against chemicals
- 9.High abrasion resistance

#### Competitive price with high quality silicon carbide brick refractory for mannheim furnace

Silicon carbide bricks have high thermal conductivity, good wear resistance, thermal shock resistance and corrosion resistance. Therefore, silicon carbide bricks are widely used in industry.

1. Can be used in metallurgical steel drum linings, nozzles, plugs, blast furnace bottoms and bosses, water-cooled slide rails in heating furnaces;
2. Non-ferrous metal smelting stills, distillation tower trays, side walls of electrolyzers, smelting metal crucibles;
3. Silicic acid shelf boards and flameproof materials for salt industry kilns;
4. Oil and gas generators and organic waste combustion furnaces in the chemical industry;
5. Kiln furniture for high-tech ceramics, aluminum electrolytic cell linings, molten aluminum conduits, and kiln furniture for ceramic kilns, large and medium-sized blast furnaces lower body, furnace waist and belly, aluminum refining furnace lining, zinc distillation tank lining, etc.

#### Parameters of High Quality Silicon Carbide Brick SiC Refractory Bricks

| Brands Items                     | Oxide bond SiC brick | Cor-Silicon Carbide brick | Mullite-SiC brick | High |
|----------------------------------|----------------------|---------------------------|-------------------|------|
| SiC%                             | 90                   | 70                        | 65                |      |
| Al <sub>2</sub> O <sub>3</sub> % | —                    | —                         | 20                |      |
| BDg/cm <sup>3</sup>              | 2.5                  | 2.6                       | 2.3               |      |
| Apparent porosity (%)            | 17                   | 22                        | 20                |      |
| Cold crushing strength Mpa       | 100                  | 100                       | 80                |      |
| Refractoriness under load (°C)   | 1650                 | 1700                      | 1600              |      |



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