

## Silicon Carbide Castable Refractory SiC Castable For Runners And BF Troughs

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

- Apparent Porosity:  $\leq 22$
- Bulk Density: 2.5-3.0 G/cm<sup>3</sup>
- Calcium Oxide Content:  $\leq 15\%$
- Country Of Origin: China
- Durability: High
- Firing Linear Change:  $\pm 0.8$
- Max Service Temp:  $\geq 1550$
- Maximum Service Temp: 1500
- Origin: China
- Packing: Bag
- Raw Materials: Bauxite Particle
- Setting Time:  $\leq 24$  Hours
- Strength: High
- Usage: Industrial Furnaces
- Working Temperature: 1800



### More Images



### Product Description

#### High Quality Silicon Carbide Refractory Castable SiC Castable For Runners and BF Troughs

Silicon Carbide Castables, composed of premium silicon carbide and industrial silicon powder, serve as unshaped refractory materials. This product consists of refractory aggregates, powder, binders, and additional additives. With a flexible and formless structure, it exhibits remarkable fluidity, allowing for casting and vibration molding. It can be utilized as is or mixed with the appropriate amount of water or other liquids. This innovative refractory material eliminates the need for calcination, making it a novel addition to the refractory industry.

Our Product Introduction



**All products can be customized on demand**

#### Features of Silicon Carbide Castable Refractory

1. Easy construction
2. Good slag resistance
3. Good corrosion resistance
4. Good fire resistance
5. Energy saving and environmental protection

#### Application of Silicon Carbide Castable

Silicon Carbide Castable mainly used for different parts of cement kiln and the roof of electric arc furnace and steel ladle. It can also be used in waste incinerator, blast furnace, cement kiln decomposer, rotary kiln grate cooler and other parts, fluidized bed furnace, Xunhua fluidized bed boiler and other thermal equipment and kilns.



##### Iron and Steel Industry

Mainly used for maintenance and patching of electric arc furnaces, steelmaking furnaces, ladles and other equipment.



##### Non-ferrous Metal Industry

Used for patching and repairing of copper, aluminum, zinc, nickel and other non-ferrous metal smelting furnaces and converters.



##### Glass Industry

Used for maintenance and patch work of glass furnaces, annealing furnaces and other equipment.



##### Building Materials Industry

Used for maintenance and patching of building materials production equipment such as cement rotary kiln and gypsum kiln.



##### Chemical Industry

Used for maintenance and patching of high-temperature chemical equipment such as catalytic cracking furnaces and gasifiers.



##### Ceramic Industry

Used for maintenance and repair of ceramic production equipment such as tunnel kiln and shuttle kiln.

#### Product Specification of Silicon Carbide Castable Refractory Sic Refractory Castable

Quality		RS SICAST 85	RS SICAST 80	RS S
Physical Properties	Required quantity (t/m <sup>3</sup> )	2.68	2.6	
	Water Required for Casting (%)	6-7	6-7	
	CCS (kg/cm <sup>2</sup> )	@ 110 x24h	650(140)	500(90)
		@ 1000 x3h	850(150)	600(150)
		@ 1350 x3h	1100(250)	1000(250)
	PLC (%)	@ 110 x24h	-0.06	-0.06
		@ 1000 x3h	-0.1	-0.1
		@ 1350 x3h	-0.1	-0.1
Chemical Properties (%)	TC(kcal/mh )	@ 350	11.5	11
	Al <sub>2</sub> O <sub>3</sub>	9	9	
	SiC + C	83	78	
Main Applications		Nonferrous Metal Furnace, Incinerator, Cement Furnace & other Industri		



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