

## Steel Fiber Reinforced Refractory Castable Blast Furnace Throat Castable For Protecting Furnace Lining

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: 200-800USD
- 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: 2000tons /month



### Product Specification

- Highlight: **Blast Furnace Throat Castable, Refractory Castable, Steel Fiber Reinforced Castable**



Our Product Introduction

### Product Description

#### Product Description of Blast Furnace Throat Castable

The primary function of the blast furnace throat is to protect the furnace lining and ensure proper material distribution. During normal operation, the temperature in this area is between 400–500°C. The throat is mainly subjected to direct impact and abrasion from the burden material, while the gas flow erosion is relatively mild. Therefore, the throat area typically uses water-cooled or non-water-cooled steel bricks (cast steel parts). For water-cooled steel bricks, castable refractory material is filled between the brick and the furnace shell, whereas non-water-cooled steel bricks are installed with castable material as part of the construction process.

Steel fiber-reinforced castable is made using bauxite clinker as aggregate, with bauxite clinker and corundum fine powder as the matrix. It uses ultra-fine powder and various composite materials as binders and additives, combined with stainless steel heat-resistant fibers. The addition of steel fibers significantly enhances the overall strength of the furnace wall after casting.

Rongsheng Refractory has more than 20 years of experience in producing castable materials, optimizing

production processes for various industry applications to ensure that all quality indicators meet high standards. We welcome customers to contact us for inquiries!



**Product Parameters of Blast Furnace Throat Castable**

Item	Performance Index	
	FA	GF—16K
Al <sub>2</sub> O <sub>3</sub> , % ≥	60	70
Bulk Density (After Drying at 110°C), g/cm <sup>3</sup> ≥	2.5	2.6
Shrinkage After Drying at 110°C, %	±0.4	±0.4
Thermal Shock Resistance (1100°C to Room Temperature Water Quenching, 5 Cycles), MPa ,MPa ≥	4.5	5.0
Cold Crushing Strength, MPa	1After Drying at 110°C ≥	70
	After Firing at 1000°C ≥	50
Flexural Strength, MPa	1After Drying at 110°C ≥	9
	After Firing at 1000°C	5.5

 **Henan Rongsheng Xinwei New Materials Research Institute Co., Ltd**

+86-18538509097

Jackyhan2023@outlook.com

bricksrefractory.com

11th Floors, Building 6, China Central Electronic Commerce Port, Daxue Road, Zhengzhou, Henan, China