Durable Blast Furnace Iron Trough Castable With Superior Thermal Shock Resistance

Our Product Introduction

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: 20-30 Days
- Payment Terms: TT; L/C
- Supply Ability: 2000 tons/month

Product Specification

- Highlight: **Durable Blast Furnace Iron Trough Castable**, **Blast Furnace Iron Trough Castable**

Our Product Introduction

Product Description

Product Overview of Durable Blast Furnace Iron Trough Castable With Superior Thermal Shock Resistance
The Blast Furnace Iron Trough Castable is a high-performance refractory material specifically engineered for use in the iron troughs of blast furnaces. Designed to withstand the extreme conditions of molten iron and slag, this castable offers superior resistance to thermal shock, abrasion, and chemical corrosion, ensuring longevity and reliability in demanding industrial applications.

Key Features of Durable Blast Furnace Iron Trough Castable
Excellent Thermal Shock Resistance: Formulated to endure rapid temperature fluctuations, this castable maintains structural integrity even under the severe thermal stresses experienced in blast furnace operations.
Superior Abrasion Resistance: Engineered with robust materials, the castable resists wear and tear caused by the constant flow of molten iron and slag, reducing the frequency of maintenance and repair.
High Corrosion Resistance: The castable is designed to withstand the corrosive nature of molten slag and other by-products, extending the service life of the iron trough lining.
Optimized Flowability: With its superior flowability, the castable is easy to apply, ensuring a smooth and consistent lining in the iron trough.
Enhanced Mechanical Strength: The material exhibits high mechanical strength, capable of withstanding the dynamic loads and mechanical impacts common in blast furnace operations.
Applications of Blast Furnace Iron Trough Castable
Blast Furnace Iron Troughs: Specifically designed for lining the iron troughs of blast furnaces, ensuring efficient and safe handling of molten iron.
Ladle Linings: Suitable for use in ladle linings where high thermal and mechanical resistance is required.
Slag Runners and Tapholes: Ideal for lining slag runners and tapholes, providing durable protection against corrosive slag.
Technical Specifications of Blast Furnace Iron Trough Castable

Item	DCTC-1	DCTC-2	DCTC-3	D
Material	Alumina silicon carbide carbon castable	Alumina silicon carbide carbon castable	Alumina silicon carbide carbon castable	High alumi c
Application	Main trough slag line	Main trough iron line	Main trough iron line	Main tr
Al_2O_3 %	60	83	77	
SiC %	37	12	11	
SiO_2 %	2.5	2.5	/	
C %	1~3	1~3	2	
Bulk density g/cm^3(1450 ,3h)	2.78	2.98	2.84	
Compression strength Mpa(1450 ,3h)	50	50	35.8	
Reheating linear change rate % (1450 ,2h)	-0.2~0.6	-0.2~0.6	-0.2~0.6	-

Packaging and Delivery
Packaging: Available in 25 kg bags or jumbo bags, with packaging options customizable based on your specific needs.
Shipping: We provide comprehensive global shipping solutions, ensuring timely delivery to your location.

How to Contact Us?
For inquiries, pricing, or to place an order, please reach out to us:

Phone/Whatsapp: +86-18538509097
Email: Jackyhan2023@outlook.com
Website: https://www.bricksrefractory.com

Our experts are here to assist you in selecting the best refractory materials for your blast furnace operations.