

Premium Fire Clay Refractory Castable With Ultimate Heat Resistance And Durability For Industrial Applications

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



Product Specification

- Highlight: Industrial Applications Fire Clay Refractory Castable
, Industrial Applications Refractory Castable

Our Product Introduction

Product Description

Product Description of Premium Fire Clay Refractory Castable With Ultimate Heat Resistance And Durability For Industrial Applications

Our Premium Fire Clay Refractory Castable is a high-performance material engineered to withstand extreme temperatures and harsh operating conditions. Ideal for a variety of industrial applications, this castable combines the proven durability of fire clay with advanced formulation techniques to provide superior heat resistance, mechanical strength, and ease of application.



Key Features of Premium Fire Clay Refractory Castable

Exceptional Thermal Insulation: This refractory castable offers excellent thermal insulation properties, effectively minimizing heat loss and enhancing energy efficiency in high-temperature environments.

High Structural Integrity: With its robust formulation, the fire clay castable maintains its structural integrity even under intense thermal cycling and mechanical stress, ensuring long-lasting performance.

Enhanced Resistance to Thermal Shock: Designed to withstand rapid temperature fluctuations, our fire clay refractory castable resists cracking and spalling, ensuring reliability in demanding applications.

Ease of Use: The product is easy to mix and apply, making it suitable for both hand-packing and pouring methods. This versatility reduces installation time and labor costs, making it a practical choice for industrial operators.

Applications of Premium Quality Fire Clay Refractory Castable

Our Premium Fire Clay Refractory Castable is versatile and well-suited for a wide range of applications across various industries:

Industrial Furnaces: Ideal for lining furnace walls, hearths, and roofs, this castable provides excellent protection against high temperatures and thermal wear.

Boilers and Incinerators: Ensures reliable performance in boiler linings and incinerator chambers, where high thermal efficiency and durability are crucial.

Cement and Lime Kilns: Perfect for use in cement kilns, lime kilns, and other high-temperature processing equipment, providing strong resistance to chemical attack and thermal degradation.

Petrochemical Industries: Offers exceptional performance in the petrochemical sector, where resistance to thermal shock and corrosive gases is essential.

Advantages of Fire Clay Refractory Castable With Ultimate Heat Resistance And Durability

- 1.Durability and Longevity:** The fire clay formulation ensures a long service life, reducing the need for frequent repairs and minimizing operational downtime.
- 2.Cost-Effective Solution:** This refractory castable offers an economical option for high-temperature linings, delivering reliable performance without compromising on quality.
- 3.Versatile and Adaptable:** Suitable for a broad spectrum of industries and applications, this castable provides flexibility in use, ensuring that it meets specific operational requirements.

Technical Specifications of Fire Clay Refractory Castable

Chemical Composition (%)	Al ₂ O ₃ %	75	85	
	SiO ₂ %	20	10	
	CaO%	2.5	1.5	
Bulk Density (g/cm ³)	110 °24h	2.75	2.85	
	815 °3h	2.75	2.85	
	1100 °3h	2.80	2.90	
Cold Crushing Strength(Mpa)	110 °24h	60	140	
	815 °3h	65	145	
	1100 °3h	70	150	
Flexural strength(Mpa)	110 °24h	8	22	
	815 °3h	9	21	
	1100 °3h	12	20	
The amount of room temperature wear(cm ³)		8	4.5	

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