

High Performance Light Weight Insulating Refractory Castables For Kiln Furnace

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

- Abrasion Resistance: Excellent
- Application: Industrial Furnaces
- Application Temperature: ≥ 1200
- Application: Tundish Lining
- Brick Type: Pouring Clay Refractory Castable
- Cold Crushing Streng: 50~70MPa
- Color: Gray,Brown,Brown Yellow Or Light Red
- Compressive Streng: 55.8MPa
- Initial Setting Time: $\geq 60\%$
- Max Service Temp: ≥ 1550
- Product: Ultra Low Cement Castable
- Setting Time: 4-6 Hours
- Strength: High
- Transport Package: 25kg/bag
- Type: Low Cement Castable



More Images



Product Description

Product Description of Factory Price High Performance Light Weight Insulating Refractory Castables For Kiln Furnace

Rongsheng Lightweight Insulating Castable is a high-performance, low-density refractory material that is designed for use in a variety of applications where thermal insulation and heat retention are critical. It is made from a blend of lightweight aggregates, cementitious binders, and mineral fibers, which provides it with a number of advantages over traditional refractory materials, including:

1. Low thermal conductivity: Lightweight Insulating Castable has a low thermal conductivity, which means that it can help to reduce heat loss and improve energy efficiency.
2. High temperature stability: Lightweight Insulating Castable can withstand high temperatures up to 2300°F (1260°C), making it suitable for use in a variety of industrial applications.
3. Low density: Lightweight Insulating Castable is a lightweight material, which makes it easy to install and handle.

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Excellent strength: Lightweight Insulating Castable has excellent strength and durability, which means that it can withstand the rigors of industrial use.



Product Applications of Rongsheng Lightweight Insulating Castable

Lightweight Insulating Castable is a versatile material that can be used in a variety of applications, including:

Industrial furnaces and kilns: Lightweight Insulating Castable can be used to insulate the walls and roofs of industrial furnaces and kilns, which can help to improve energy efficiency and reduce heat loss.

Foundries: Lightweight Insulating Castable can be used to insulate molds and cores in foundries, which can help to improve casting quality and reduce scrap rates.

Power plants: Lightweight Insulating Castable can be used to insulate boilers and other equipment in power plants, which can help to improve energy efficiency and reduce emissions.

Petrochemical plants: Lightweight Insulating Castable can be used to insulate pipes, vessels, and other equipment in petrochemical plants, which can help to improve safety and reduce maintenance costs.

Benefits

The use of Lightweight Insulating Castable can provide a number of benefits, including:

Reduced energy costs: Lightweight Insulating Castable can help to reduce energy costs by reducing heat loss.

Improved productivity: Lightweight Insulating Castable can help to improve productivity by reducing downtime and maintenance costs.

Enhanced safety: Lightweight Insulating Castable can help to enhance safety by reducing the risk of fires and explosions.

Extended equipment life: Lightweight Insulating Castable can help to extend the life of equipment by protecting it from the harmful effects of heat.

If you are looking for a high-performance, lightweight, and durable refractory material, Lightweight Insulating Castable is the ideal solution.

Product Specification of Rongsheng Lightweight Insulating Castable

Item		RSQJ-0.5	RSQJ-0.8	RSQJ-1.0	RSQJ-1.1	RSQJ-1.3	RSQJ-1.5
Bulk Density g/cm ³		0.5	0.8	1.0	1.1	1.3	1.5
Maximum Service Temperature		1150	1200	1250	1250	1300	1300
Thermal Conductivity (W/mk)	350	0.15	0.25	0.3	0.4	0.45	0.6
	700	0.2	0.30	0.4	0.45	0.5	0.7
Cold Crushing Strength Mpa≥	110 ×24h	1.5	2.0	4.0	5.5	10	15
	1000 ×3h	1.5	2.0	5.5	6.5	15	20
Linear Dimensional Change		-1.5	-1.0	-1.0	-0.5	-0.5	-0.5
Installation Method		Ramming or vibration, or spray					
Use		Rotary kiln and industrial kiln for heat insulation or single-layer lining					



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