

Nano Insulating Castable Material Ultra Lightweight Lightweight Castable Refractory

Our Product Introduction

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Basic Information

- Place of Origin: Zhengzhou, Henan, China
- Brand Name: Rongsheng Xinwei
- Certification: ISO Certification
- Model Number: RS-CQJ0.35, RS-CQJ0.45, RS-CQJ0.5
- 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: 20-30DAYS
- Payment Terms: TT; L/C
- Supply Ability: 2000tons /month



Product Specification

- Acid Resistance: No Degradation
- Alkali Resistance: No Degradation
- Compressive Strength: 0.4MPa
- Elongation: 300%
- Flammability: Class A1
- Material: Nano Insulation Material
- Radiation Resistance: No Degradation
- Smoke Density: Class 0
- Temperature Resistance: -50 ~+150
- Tensile Strength: 2.0MPa
- Thermal Conductivity: 0.038W/mK
- Thermal Resistance: 0.26m2K/W
- Thickness: 1mm
- Water Vapor Permeability: 2.0g/m2/24h
- Weight: 100g/m2

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Product Description

Ultra-lightweight Insulating Castable Series

The ultra-lightweight insulating castable developed by Rongsheng is made of high-temperature high-strength light-weight nano-aggregate, aluminate cement and high-alumina fines with various additives, which has the advantages of small bulk density, high crushing strength, low thermal conductivity, excellent thermal insulation, energy saving and consumption reduction, convenient construction, and so on. It can reduce the thermal energy consumption of industrial furnaces and reduce the weight of furnace lining.

Parameter of Ultra-lightweight Insulating Castable Series

Items		RS-CQJ0.35	RS-CQJ0.45	RS-CQJ0.5
BD, g/cm3	110 x24h	≤0.35	≤0.45	≤0.5

CCS, MPa	110 ×24h	≥0.5	≥0.8		≥
TC,W/(m·K)	350 ±25	≤0.11	≤0.15		≤
PLC,%		-0.1~+0.1 1000 ×12h	-0.1~+0.1 1100 ×12h		-0.2~+0.2
Max Working Temperature,		1000	1100		1



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