

## High Temperature Nano Insulation Material High Strength Nano Insulation Paint Nano-Aggreg

Our Product Introduction

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### Basic Information

- Place of Origin: Zhengzhou, Henan, China
- Brand Name: Rongsheng Xinwei
- Certification: ISO Certification
- Model Number: A Type, B Type
- 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

- Emissivity: 0.03
- Fire Rating: Class A
- Lifespan: 20 Years
- Material: Nano Insulation Material
- Pressure Resistance: 200Pa
- Reflectivity: 97%
- Sound Absorption: 0.05
- Surface Temperature: 80
- Tear Strength: 20N
- Temperature Resistance: -50 ~+150
- Tensile Strength: 2.5kN/m
- Thermal Conductivity: 0.032W/mK
- Thickness: 1mm
- Water Vapor Permeability: 0.02g/m2/24h
- Weight: 50g/m2

### Product Description

#### Description of Light Weight Nano-aggregate

The appearance of this product fills a void in the global market. Thanks to the exceptional properties of this aggregate, it enables the production of semi-lightweight, high-strength castables that combine the advantages of both heavyweight refractories and lightweight refractories with low thermal conductivity. These castables find applications in various areas, including ladle permanent linings, ladle covers, tundish permanent linings, tundish covers, and heating furnace linings.

The introduction of lightweight, high-strength nano-aggregates has the potential to completely revolutionize the traditional refractory materials market, becoming a novel choice for the working layers of numerous furnaces. Moreover, this raw material can serve as a volume density adjuster for prefabricated components and castables.

#### Features of Light Weight Nano-aggregate

- 1.Low bulk density.
- 2.High strength.

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3.Low thermal conductivity.

4.High refractoriness.

Parameter of Light Weight Nano-aggregate

Item		A Type	
BD.g/cm'		<1.7	
CCS.MPa		>50	
TC.W/(m.K)	Hot side 800C	0.400	
Woking Temperature,T		>1450	



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