

## Ultra High Strength Nano Insulation Material Nano Insulation Block

Our Product Introduction

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## Basic Information

- Place of Origin: Zhengzhou, Henan, China
- Brand Name: Rongsheng Xinwei
- Certification: ISO Certification
- Model Number: RSNJ-1, RSNJ-2
- 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

- Cost-effective: Yes
- Durability: High
- Easy To Install: Yes
- Eco-friendly: Yes
- Fire Resistance: High
- Heat Resistance: High
- Lightweight: Yes
- Maintenance: Low
- Material: Nano Insulation Material
- Moisture Resistance: High
- Sound Absorption: High
- Sound Insulation: High
- Thermal Conductivity: Low
- Thermal Resistance: High
- Water Resistance: High

Our Product Introduction

## Product Description

## Description of Ultra-high Strength Nano Insulation Block

The new micro-nano insulating brick series products solve the needs of thermal insulation of the wall and bottom of various large furnaces. and the working temperature can be from 600 to 1400 . With a wide range of application, good thermal insulation performance and high strength, the product can meet the requirements of energy saving and environmental protection of various furnaces.

## Main Advantages and Features

- (a) Low thermal conductivity: with low thermal conductivity, it has good heat Insulation effect and can make the furnace wall thickness thinner under the same temperature condition, thus saving more cost.
- (b) low heat capacity: Due to its ultra-high bulk density and low thermal conductivity, the brick accumulates less heat inside, making it more energy efficient.
- (c) Good stability: With very low iron oxide and alkali metal content, its stability is better within the specified service temperature.
- (d) High strength: Its strength at normal and high temperatures is higher than other products with the same bulk density at the

same temperature.  
 (e) Low size tolerance:The size tolerance is within 0.05mm, the dimensions can be customized according to customer requirements.

**Typical Applications**  
 It can be used as a thermal insulation backing layer of refractory materials and the application include:all kinds of industrial furnaces.hot blast furnaces, heating furnaces, smelting furnaces, flue pipes, hot, air ducts and other heating and heat generating parts.  
 (a) Roller Kiln,Tunnel Kiln  
 Application:Furnace walls and bottom insulation layer of the ceramic roller kin.  
 Alternative of following:Lightweight clay brick, high alumina insulating brick, mullite insulating brick.  
 Advantages:not easy to shrink,not easy top pulverize, performance not easy to decay, more cost-effective.

(b) Large Hot At Duel  
 Appl cation position:Insulation layer of large hot air product.  
 Alternative of following:Lightweight clay bricks, high alumina poly-light bricks  
 Advantages:lower outside wall temperature, more energy efficient, lighter weight of thermal equipment, more cost effective.

**Parameter of Ultra-high Strength Nano Insulation Block**

Product Perfomance Comparison Table					
Products		RSNJ-1 Ultra-high Strength Nano Insulation Block RSNJ-1	RSNJ-2 Ultra-high Strength Nano Insulation Block RSNJ-2	LZ-65High Alumina brick	
RUL.0.2MPax0.6%		21580	21400	21500	
BD,g/cm'		s1.7	s1.7	225	
CCS.MPa		z50	250	2 50	
PLC,%		15000 12h -0.1~0.1	1400Cx12h -0.2~0.2	1450Cx12h -0.4-0.1	1:
TC.	Hot Side 800°C	0.399	0,600	t 1.5	
w/im.K)	Hot Side 1100°C	0.411	0.650	1.6	

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