Inorganic Thermal Insulating Board Elongation 200% Thermal Insulation Sheet

Our Product Introduction

Basic Information

- Place of Origin: Zhengzhou, Henan, China
- Brand Name: Rongsheng Xinwei
- Certification: ISO Certification
- Model Number: RS-B 0.35, RS-B 0.55, RS-B 0.6
- 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

- Color: White
- Elongation: 200%
- Fire Resistance: Class A1
- Material: Nano Insulation Material
- Packing: Roll
- Reflectivity: 95%
- Size: 1m*50m
- Surface Resistance: 1012Ω
- Tear Strength: 20N
- Temperature Range: -40 ~+100
- Tensile Strength: 20N/50mm
- Thermal Conductivity: 0.03W/mK
- Thickness: 0.2mm
- Water Vapor Permeability: 0.02g/m2·24h
- Weight: 20g/m2

Our Product Introduction

Product Description

Description of Inorganic Insulation Board

The inorganic insulation series product is a new type of refractory insulation material made from pure inorganic materials processed through a large-scale automated continuous production line. It can be used in various industrial kiln backings, with a temperature range of 900°C to 1300°C, effectively addressing the insulation and thermal insulation issues of kilns. It can be processed and produced with bulk densities ranging from 0.35 to 0.5. It fills a gap in the domestic market, with thermal conductivity controlled within the range of 0.11 to 0.13 at 350°C and strength controlled within the range of 1 to 2 MPa. It can be processed into various shapes, with the maximum size being 1 meter by 2 meters.

Features of Inorganic Insulation Board

(1)Main Features
A)Low thermal conductivity, more energy saving. The composition structure has nano-micro porosity, which makes the product have good thermal insulation performance.

B)No shrinkage and small gap after heating. The permanent linear change rate after heating does not exceed 0.5% within the

specified working temperature, and does not shrink in long-term use. The heating permanent line change rate of ordinary insulation board reaches 2%-3%, and the shrinkage is more than 4 times that of inorganic insulation board.

C)Completely fiber-free, organic-free, all inorganic materials, no chalking and no performance degradation with long-term.

D)High strength and wide range of use.Compared with ordinary thermal insulation board, it has better cold crusing strength, which is more than 3 times, and also has good strength after burning. It can be used in high temperature for a long time, which is safer and wider range of use.

E)No stimulation to human body, no pollution to the environment, convenient, healthy and eco-friendly.

F)Good quality control, high capacity, no environmental policy restrictions and guaranteed delivery time.

Typical Applications

Application: It can be used for back lining insulation of furnaces, including heat treatment furnace in metallurgical industry, roller kiln in ceramic industry, decomposition furnace in cement industry, electrolytic tank in electrolytic furnace in aluminum industry, cracking furnace in chemical industry.

A)Backing Plate of Roller Kiln in Ceramic Industry
Application: Ceramic roller kiln wall insulation backing plate, bottom backing insulation.

Alternative of following: 1260 aluminium silicate fiber board. 1400 aluminium silicate fibre board.

Advantage: less shrinkage, less chalking, less decay of performance and higher cost performance.

Parameter of Inorganic Thermal Insulating Board Series

Casification Model	RS-B 0.35	RS-B 0.55	RS-B (
BD.g/cm'	≤ 0.35	≤ 0.55	≤ 0.6
CCS.MPa	≥0.8	≥2.0	≥2.0
400°C, TC,W/(m.K)	≤0.105	≤0.115	≤0.12
PLC, %	±0.5 950°Cx 12h	±0.5 1250°CX12h	±0.5 1250

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