

## White Fireproof Board - Polished Product Description

The white fireproof board is a high-performance new inorganic fireproof and thermal insulation composite material formulated with multiple inorganic ingredients. It initiates thermal expansion when the ambient temperature rises to 100 - 120° C, with a volumetric expansion ratio of 8 to 15 times its original size. Featuring a maximum expansion pressure of 1.5 N/mm<sup>2</sup>, the board forms a dense, non-combustible foam insulation layer under fire conditions.

This material is smoke-free, non-toxic and anti-shedding in fire scenarios. It effectively seals gaps and joints of building components, delivering integrated functions of fire resistance, smoke suppression and thermal insulation.

## Product Features

**Easy processing:** Supports convenient cutting and punching at ambient temperatures of 20 - 40° C for flexible on-site installation.

**Low initiation expansion temperature:** Starts effective expansion at 100 - 120° C to respond rapidly to early fire hazards.

**High expansion pressure:** Generates a maximum expansion pressure of 1.5 N/mm<sup>2</sup> for tight gap sealing.

**Excellent heat absorption:** Releases water vapor during heating to produce a powerful cooling and heat-absorbing effect.

**Flame barrier performance:** Forms a rigid, structurally strong non-combustible foam layer after expansion, effectively blocking flame penetration and heat conduction.

**Eco-friendly & safe:** Produces no harmful gas combustion emissions and contains no asbestos, complying with environmental and safety standards.

## Core Product Characteristics

Sodium silicate based inorganic material formula

Custom cut-to-size service available

Dual options: with or without self-adhesive backing

Equipped with high-quality pressure-sensitive adhesive

Specially designed for Class A fire-rated doors

# Product Benefits

**Superior chemical resistance:** The epoxy coated surface resists most common acids, alkalis, salts and organic solvents, maintaining stable performance against conventional chemical corrosion.

**Wide temperature adaptability:** Maintains stable physical and fireproof properties across a broad temperature range.

**No impact on door operation:** Proper installation will not hinder normal door opening and closing.

**Durable & long service life:** Ensures lasting adhesive bonding and stable fireproof performance for long-term application.

| 型 号<br>Model | 尺寸 Size         | 密 度<br>Density        | 膨胀倍数<br>/Expansion<br>times | 起 始 温 度<br>/Initial<br>temperature | 膨 胀 压 力<br>/Expansion<br>pressure | 包 装<br>/Packaging |
|--------------|-----------------|-----------------------|-----------------------------|------------------------------------|-----------------------------------|-------------------|
| FSBZ100      | 2000*1000*1.9mm | 1620kg/m <sup>3</sup> | 8-15 倍                      | 100-120℃                           | 0.9-1.5N/mm <sup>2</sup>          | 100 张/箱           |
| FSBZ104      | 2000*1000*3.6mm | 1700kg/m <sup>3</sup> | 8-15 倍                      | 100-120℃                           | 0.9-1.5N/mm <sup>2</sup>          | 50 张/箱            |

| Model   | Size            | Density               | Expansion<br>times | Initial<br>temperature | Expansion<br>pressure    | Packaging  |
|---------|-----------------|-----------------------|--------------------|------------------------|--------------------------|------------|
| FSBZ100 | 2000*1000*1.9mm | 1620kg/m <sup>3</sup> | 8-15times          | 100-120℃               | 0.9-1.5N/mm <sup>2</sup> | 100pcs/box |
| FSBZ104 | 2000*1000*3.6mm | 1700kg/m <sup>3</sup> | 8-15times          | 100-120℃               | 0.9-1.5N/mm <sup>2</sup> | 50pcs/box  |

## Product size:

Additional Notes:

The size can be customized through cutting or punching according to the required dimensions.

Double-sided adhesive can also be applied to the surface for easier application.

Tolerance: ±0.5mm

Applications:

Wooden fireproof doors, steel fireproof doors

Fireproof safety cabinets

Fireproof windows, fire-resistant windows

safety box, special safety box,ticket selling machine

Fire-resistant glass systems

Fireproof profiles

Railway and shipbuilding industries

New energy vehicles

## **Packaging & Delivery**

Provide specific packaging solutions tailored to product characteristics, ensuring normal use for customers after delivery.

Packaging Details:

Inner Packaging: Double protection with vacuum sealing and buffer bubble wrap

Outer Packaging: Dual-layer security via 5-ply corrugated cases and wooden crates, both sturdy and durable

This system guarantees absolute product safety during transportation while offering customers a cost-effective shipping solution.

Packaging Details: standard wooden case with bubble paper package or according to customer's requirement

Delivery time:

1. Shipping by courier, like DHL, UPS, FEDEX, etc. door to door usually takes 3-4 days to arrive.
2. Shipping by air usually takes 1-3 days to arrive.
3. Shipping by train usually takes 7-20 days to arrive.
4. Shipping by sea usually takes 7-50 days to arrive.

Hope to cooperation with you, Thanks !