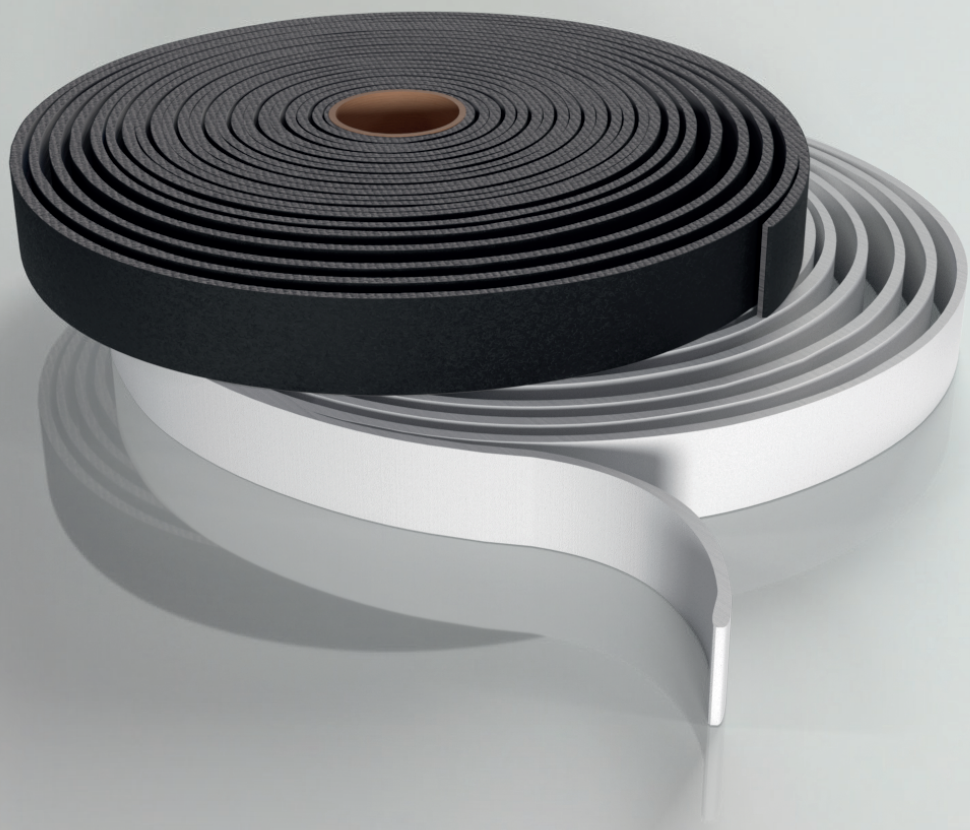
Technical Product Data Sheet

KERAFIX® 2000



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Tech. Rev.: 1.0
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Product description

KERAFIX® 2000 is a high-performance, flexible and heat-resistant insulating material designed specially for applications that require both thermal insulation and fire protection. Produced from soluble mineral fibres, it offers a safe and environmentally friendly alternative to traditional ceramic fibres, as it is asbestos-free and does not contain irritant fibres. The material is extremely lightweight and easy to handle and can be cut, punched or bent into a variety of shapes to meet complex requirements.

Reaction to fire

- Class B2 (DIN 4102-1)

Properties

- Low-weight and flexible
- Good thermal insulation properties and low thermal conductivity
- High mechanical strength and resistance to tearing
- Contact does not cause irritation
- Asbestos-free and safe to handle
- Even thickness on both sides, enabling uniform processing

Fields of application

- Sealing and protection for fire-resistant doors and ventilation flaps
- Protecting lock cases, door locks and panic door locking systems
- Insulating and sealing household and heating appliances
- Thermal protection and soundproofing in applications such as lift doors or in transport and shipping
- Non-combustible substrate for seals for fire-resistant glazing elements
- Used to improve thermal insulation in fire-resistant constructions

Features

Lightweight, asbestos-free, good mechanical strength, non-irritating with contact.

Technical data

Verification	abP P-3074/3439-MPA-BS: 15 March 2021
Composition	Insulating construction material based on a calcium-magnesium-silicate chemical mix
Material structure	Light, flexible and compressible roll material
Volatile components	Binding agent volatilises without toxic emissions
Temperature stability [°C]	1200
Thermal conductivity [W/(m·K)]	200 °C: 0.05 400 °C: 0.07 600 °C: 0.11 800 °C: 0.16 1000 °C: 0.23
Tensile strength [N/mm²]	> 0.65
Bulk density [kg/m³]	230
Shrinkage once ignited	12%
Linear shrinkage	< 2% (1000 °C)
Surface finish	Smooth surface
Storage	Store in a dry and well ventilated location at room temperature (20 °C ±5 °C).
Shelf life (SA version)	12 months in its original packaging when stored properly

Design variants

KERAFIX® 2000 without additional lamination

KERAFIX® 2000 classic: white/black; self-adhesive

KERAFIX® 2000 premium: white; with internal self-adhesive strip for quick and easy installation

Colour variants

White, black

Processing information

1. Surface preparation:
   - The surface must be clean, dry and free from grease and dust to ensure maximum adhesion.
     For applications that require adhesion, non-combustible PYROCOL glues or double-sided adhesive tape are ideal.
2. Installation and fixing:
   - The material can be cut, bent and punched.
3. Safety notes:
   - The usual safety provisions for the workplace must be complied with. The material does not produce irritant dust and is free from asbestos, but suitable extraction devices should still be used during intensive cutting and punching work.

Delivery forms: KERAFIX 2000® classic

Roll length [mm]	10,000
Standard widths [mm]	10 – 1000
Standard thicknesses [mm]	classic (white): 1 – 10 classic (black): 2 – 6

Delivery forms: KERAFIX 2000® premium

Roll length [mm]	Thickness [mm]	Width [mm]
10,000	6	From 10 mm to 1000 mm
10,000	5	
26,000	2	
27,000	4	
35,000	3	

Tolerances [mm]

All cuts (length × width) are produced in accordance with the general tolerance DIN ISO 2768-1-c.

All moulded parts and punched parts are produced in accordance with the general tolerance DIN 7715-5-p2.

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