AODISI

FIRE TECHNOLOGY

产品资料与销售咨询

PRODUCT DOCUMENTATION & SALES CONTACT

KERAFIX ® Flextrem 100 - Technical Data Sheet-en

澳迪斯防火科技（廊坊）有限公司

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销售及选型联系 / Sales & product enquiries

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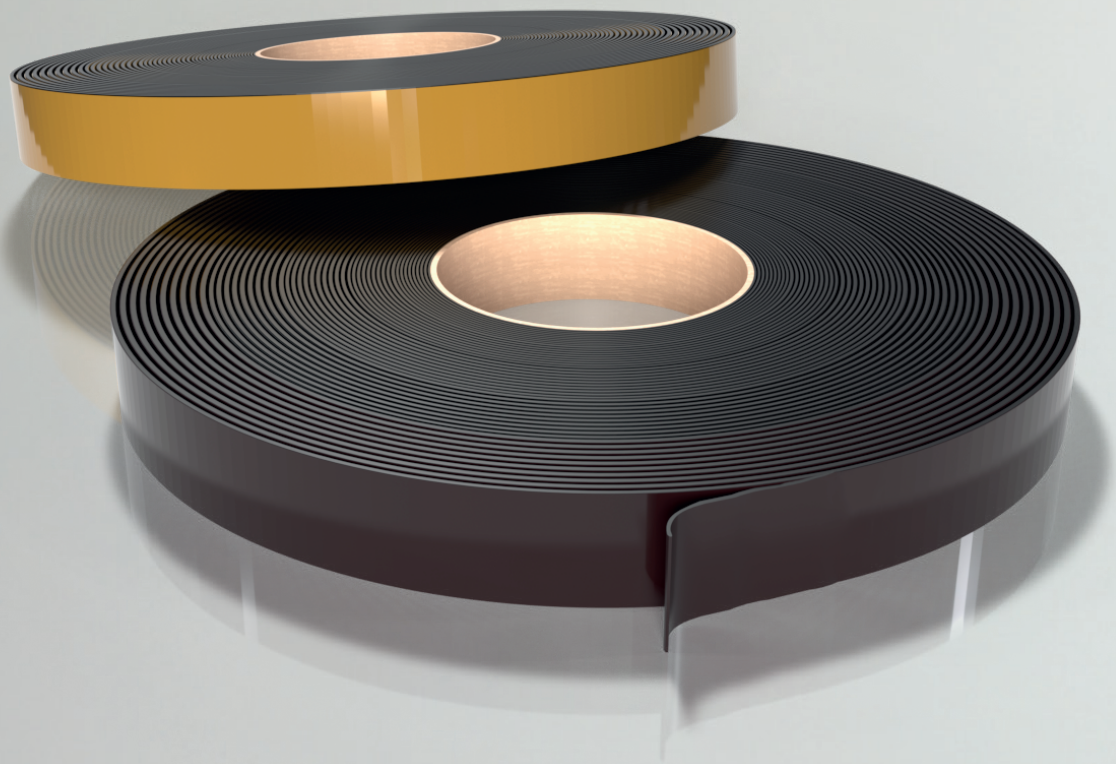
www.gmfireproof.com

以上为销售联系信息，不替代安全数据表中的应急联系电话。
原始技术内容及制造商、检测机构和证书签发信息见后续资料页。

Sales contact only; emergency contacts in safety data sheets remain applicable.
Original technical, manufacturer and certification details follow.

Technical Product Data Sheet

KERAFIX®
Flextrem 100



ECO PLATFORM
EPD
VERIFIED

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Tech.Rev.: 1.1
Ling. Rev.: 1.1

Product description

KERAFIX® Flextrem 100 is a flexible, intumescent, graphite-based material that expands at high temperatures to form a bulky, thermally stable barrier.

This material is used in fire protection doors made from wood, steel or aluminium, in safety storage cabinets and control cabinets and in drywall constructions such as inspection flaps, partition walls and ceilings.

The product is available in a range of designs, including variants that are self-adhesive on one side and variants with one side laminated with PVC film.

KERAFIX® Flextrem 100 features a high bulk density and a very high expansion rate.

The material is moisture-resistant and available in various versions and dimensions.

Reaction to fire

- Class E (DIN EN 13501-1)

Properties

- Extremely high expansion rate
- Reliable fire protection
- Easy to handle
- Multitude of application options

Fields of application

- Fire protection doors made from wood, steel or aluminium
- Special fields of application for fire protection doors, such as lock case insulation and hinges
- Safety storage cabinets
- Control cabinets
- In drywall work: inspection flaps
- Partition wall and ceiling structures
- Structural joints
- Fire dampers

Technical data

Verification	ETA-17/0958: 27 June 2018
Composition	Asbestos-free foaming material based on expandable graphite
Material structure	Flexible roll material
Reaction to fire	Class E (DIN EN 13501-1)
Volatile components (VOC) [g/l]	None
Thermal conductivity [W/(m×K)]	0.77
Thermal conductivity reference temp. [°C]	10
Shore A hardness	86.4
Bulk density [kg/m³]	1370 (±10 %)
Start of reaction [°C]	200
Expansion rate [x times]	35 – 54
Reference expansion rate	450 °C – 30 min. – without superimposed load
Intumescent layer	Voluminous mass
Expansion pressure [N/mm²]	0.65 – 2.00
Reference expansion pressure	300 °C – method 4
Direction of expansion	Three-dimensional
Storage	In the original package at 18 – 25 °C and normal humidity (50 – 70 %)
Shelf life (SK variant)	Can be stored for six to twelve months from the delivery date

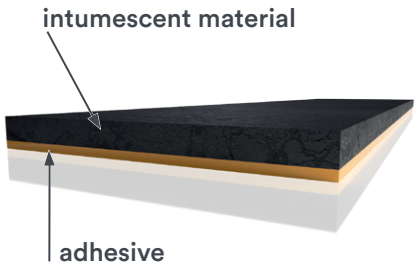
Design variants

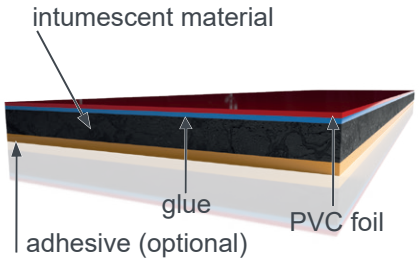
KERAFIX® Flextrem 100 without additional lamination

SK variant: self-adhesive on one side

DF variant: laminated with PVC film in different colours on one side

Other design variants available on request.





Colour variants

Black, white, red

Processing information

1. Surface preparation:
   - The surfaces to be adhered to must be clean, dry and free from dust, grease and other dirt.
   - They may have to be cleaned using an appropriate solvent to ensure optimal adhesion.
2. Application temperature:
   - The recommended application temperature is between +5 °C and +35 °C. This temperature range ensures reliable adhesion and optimal workability.
3. Application:
   - When using self-adhesive variants (SK variant), the protective film should be removed just before application.
   - Position the material carefully and press down evenly to ensure full adhesion. Avoid readjusting, as this can negatively affect adhesion.

Shear force	Tensile force	Peel force	Splitting force



Strain less critical over whole areas

Prevent such strain through design

Delivery forms

Standard lengths [mm]	25,000 and 50,000
Standard widths [mm]	Up to 320
Standard thicknesses [mm]	1.5 and 2.0 (special thicknesses are available upon request)

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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NEPD-12917-14166