AODISI

FIRE TECHNOLOGY

产品资料与销售咨询

PRODUCT DOCUMENTATION & SALES CONTACT

KERAFIX ® FXL 200 - Technical Data Sheet-en

澳迪斯防火科技（廊坊）有限公司

Aodisi Fire Technology (Langfang) Co., Ltd.

销售及选型联系 / Sales & product enquiries

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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®
FXL 200



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Tech.Rev.: 1.2
Ling. Rev.: 1.1

Product description

KERAFIX® FXL 200 is a flexible, intumescent material that expands without pressure when exposed to fire, forming a solid, heat-resistant foam. It has a high level of fire resistance and can be adapted to a multitude of different applications. The material comes in thicknesses of 1 mm or 2 mm, and the width can be adapted to the customer's specific requirements to ensure a precise fit.

The sealing strip is suitable for use in fire-rated glazing systems, door and window systems, facade constructions and lock case insulation.

It ensures a reliable seal against fire and smoke in all these applications.

The KERAFIX® FXL 200 is easy to cut to your required dimensions and can be fitted either by inserting it into the designated joint or simply by applying it.

Reaction to fire

- Class E (DIN EN 13501-1)

Properties

- High expansion rate without expansion pressure
- High flexibility
- Reliable fire protection
- Wide variety of uses
- Adjustable width
- Easy to install

Fields of application

- Fire protection doors made from steel, aluminium or wood
- Glazing
- Facades
- Roller gates
- Structural joints
- Cable penetrations
- Ventilation and air-conditioning ducts
- Plumbing and heating systems

Technical data

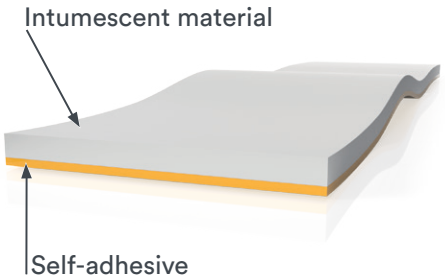
Verification	ETA-17/0960: 17 September 2018
Composition	Expandable phosphate-based foaming material that is free from halogens, asbestos and conflict minerals. Compliant with REACH, RoHS and VOC.
Material structure	Stable roll material
Volatile components (VOC) [g/l]	None
Thermal conductivity [W/(m×K)]	0.349
Thermal conductivity reference temp. [°C]	10
Shore A hardness	94.2
Bulk density [kg/m³]	1300 (±10 %)
Start of reaction [°C]	200
Expansion rate [x times]	30 – 50
Reference expansion rate	400 °C – 30 min. – without superimposed load
Intumescent layer	Stable, finely porous, thermally insulating layer
Direction of expansion	Mainly across the surface
Storage	In the original package at 18 – 25 °C, humidity 50 – 70%. Protect against direct sunlight (UV light).
Shelf life (SK variant)	Can be stored for six to twelve months from the delivery date

Design variants

KERAFIX® FXL 200 without additional lamination

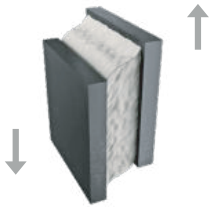
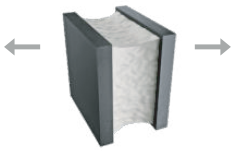
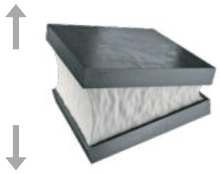
SK variant: self-adhesive on one side

Other design variants available on request.



Processing information

1. Surface preparation:
   - The surface must be clean, dry and free from dirt such as dust, oil and grease to enable optimum adhesion.
   - Thorough cleaning is particularly important on highly exposed or very dirty surfaces.
2. Application temperature:
   - The material should be applied at ambient temperatures between +5 °C and +35 °C.
3. Application:
   - SK variant: remove protective film just before fitting.
   - The KERAFIX® FXL 200 must be precisely positioned and pressed on with even pressure to ensure full and durable adhesion. Avoid readjusting once pressed on, 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]	1.0 and 2.0 (special thicknesses available upon request)

Special formats 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.