AODISI

FIRE TECHNOLOGY

产品资料与销售咨询

PRODUCT DOCUMENTATION & SALES CONTACT

KERAFIX ® Fire protection silicone - Technical Data Sheet-en

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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®
Fire Protection Silicone



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Tech.Rev.: 1.0
Ling. Rev.: 1.0

Product description

KERAFIX® Fire Protection Silicone is a specially developed, elastic silicone sealant.

It is based on a one-component, neutral-curing silicone system.

The fire protection silicone offers high temperature resistance and is used in applications with increased fire protection requirements. It exhibits excellent adhesion to a wide range of substrates, including concrete, aluminium, steel and glass. It is ideally suited for sealing fire protection elements, such as fire-resistant glazing.

KERAFIX® Fire Protection Silicone is halogen-free and low-emission.

The sealant is also water- and weather-resistant, making it suitable for both interior and exterior applications.

Reaction to fire

- Class B1 (DIN 4102-1)
- Class E (DIN EN 13501-1)

Properties

- High flexibility
- Reliable fire protection
- Easy to install
- Has a wide range of uses

Fields of application

- Joints between separating walls
- Connections between walls and ceilings or floors
- Window connection joints
- Fire-rated glazing systems
- Pipe penetrations
- Cable penetrations
- Ventilation ducts, etc.

Technical data

Composition	One-component, oxime-based, neutral-curing silicone sealant – MEKO-free
Material structure	paste-like, non-slump
Volatile components (VOC) [g/l]	None
Temperature stability [°C]	-40 / +180
Shore A hardness	20 – 25
Bulk density [kg/m³]	Approx. 1000 (transparent) (±15 %) Approx. 1200 (coloured) (±15 %)
Skin formation time (dry)	Approx. 10 min (at 23 °C, 50 % rh)
Curing rate	2 – 3 mm in 24 h (at 23 °C, 50% rh)
Storage	Store in a dry place between +15 °C and +25 °C. The use-by date can be found on the cartridge label. Protect against frost and heat. Store product upright.

Colour variants

White, grey, black and transparent

Processing information

Application temperature [°C]	+5 / +35

1. Surface preparation:
   - The surfaces must be clean, dry and free from dust, grease and oil to ensure optimum silicone adhesion.
2. Application temperature:
   - The recommended application temperature is between +5 °C and +35 °C, which aids good adhesion and curing.
3. Application:
   - KERAFIX® Fire Protection Silicone is a single-component sealant and can be applied with a manual or compressed-air applicator.
   - Evenly apply the silicone onto the joints or connecting points to be sealed.
4. Connecting and fixing:
   - After applying the silicone, join the workpieces together within the open time and fix the connection in place until the silicone is fully cured. The curing rate is approximately 2 mm per day at 23 °C and 50% relative humidity.
5. Cleaning and excess material:
   - Remove excess silicone when fresh to ensure clean processing.
6. Safety notes:
   - During application, wear suitable protective gloves and work in a well ventilated area.

Content of a package/set

310 ml cartridge

Note

Prior to application, the installer shall ensure that all substrates and materials in the area of contact are compatible with each other and with the product, and that no detrimental interactions occur (e.g. discoloration).

For materials subsequently applied within the area of influence of the product, it shall be verified in advance that their constituents or emissions will not adversely affect or alter the product (e.g. discoloration).