

KERAFIX®

Fire Protection Silicone



kuhn+odice

Product description

KERAFIX® Fire Protection Silicone is a specially developed, elastic silicone sealant. It is based on a single-component, neutral-curing silicone. The fire protection silicone has high temperature resistance and can withstand fire for up to four hours. It adheres excellently to a wide range of substrates, including concrete, masonry, steel and glass, without any need for priming. Once cured, the silicone remains flexible and adapts to the movement of building structures, preventing the formation of cracks. It is ideal for sealing joints and penetrations in wall and ceiling constructions, particularly in areas exposed to high temperatures and fire. KERAFIX® Fire Protection Silicone is halogen-free and low-emission. The sealant is also water and weather-resistant, so it is suitable for both indoor and outdoor use.

Reaction to fire

- 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	Solvent and halogen-free single-component sealant, UV-resistant
Material structure	Paste-like material
Volatile components (VOC) [g/l]	None
Temperature stability [°C]	-40 / +150
Shore A hardness	29
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	Approx. 2 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

Black, white, grey, brown, 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

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