



FP 402 Fireseal Silicone

FIRE RETARDANT SILICONE SEALANT

ADVANTAGES

- ETA & UL-EU certified
- Excellent application
- Durable elastic
- UV, water and weather resistant
- Up to 4-hour fire resistance

PRODUCT

FP 402 Fireseal Silicone is a fire retardant, elastic, neutral curing silicone sealant.

APPLICATIONS

FP 402 Fireseal Silicone is specifically developed for fire resistant sealing of connection joints in constructions. Prevents the expansion of fire, smoke or toxic gases. Fire resistance tested according to EN 1366-4. Ensure that you choose the correct fire resistance for your application by consulting the summary classification report.

FEATURES

- Extensively tested for fire resistance according to EN 1366-4
- Fire resistance up to 4 hours in linear joints
- Can be applied in joints up to 50mm wide
- Meko-free formulation
- CE classification: EN 15651-1: F-EXT-INT-CC 25LM
- CE classification: EN 15651-2: G-CC 25LM
- Excellent application, does not slump
- UV, water and weather resistant
- Not paintable

METHOD OF USE

Substrate: Substrate must be dry, clean, firm, dust-free and grease-free.

Preparation: FP 402 Fireseal Silicone adheres perfectly without the use of primer to most non porous substrates. Pretreat porous substrates with Bostik Primer MSP. Bostik Prep M is recommended for metal substrates, such as steel. Always test adhesion prior to application.

Joint construction: The fire resistance of the joint construction can be considerably increased by sealing the joint on both sides. The joint depth should always be in the correct relationship of the joint width. A general rule is the ratio of joint depth to the width of the joint with a joint width up to 10mm is 1:1, with a minimum of 5mm in width and depth. For joints wider than 10mm, the depth is the



width divided by 3 plus 6mm.

Application: Apply FP 402 Fireseal Silicone with a manual or pneumatic application gun. Carefully spray FP 402 Fireseal Silicone against the joint walls and then press firmly during finishing.

Finishing: Within 8 minutes, after which skin formation begins, press the sealant against the joint walls (with a pointing trowel or wooden spatula) and then immediately smoothen the joint with the use of Bostik Finishing Soap. Prevent soapy water from between joint walls and sealant (to prevent possible detachment along the edges).

Cleaning: Cured sealant is insoluble and can only be removed mechanically. Uncured residual sealant can be removed with a clean, dye-free cloth soaked with Bostik Liquid 1.

LIMITATIONS

Not suitable for PE, PP, PC, PMMA, PFTE, soft plastics, neoprene and bituminous substrates.

CERTIFICATION / TEST REPORTS

- ETA 20/1249
- Peutz summary classification reports
- UL-EU certificate
- Fire class B-s1,d0 according to EN 13501-1
- Emission EC1Plus
- M1 certificate
- A+ French VOC Regulation
- Smoke leakage Sa / S200 according to EN 1634-3
- Sound reduction

FIRE RESISTANCE

Fire resistance is the time in minutes during which a construction meets the established criteria regarding stability (may not collapse), flame penetration (integrity) and heat transfer (thermal insulation criterion). The thermal insulation criterion specifies that the temperature of the structure on the non-fire side may not rise above 180°C locally and max. 140°C on average. The fire resistance is specified in time (minutes) during which the criteria for flame penetration (E) and temperature (I) are met, e.g. EI 240 (4-hour fire resistance). The classification further specifies the type of material in which the joint is made and whether the joint is sealed on the fire side, the non-fire side or both sides. Also stated is whether the joints are vertical or horizontal, what the maximum joint width should be, and whether or not a displacement is applied to the joint.

PEUTZ REPORT BOSTIK FP 402 FIRESEAL SILICONE

Determination of the fire resistance of various joints according to EN 1366-4 with heating according to the standard fire curve.

For information see Summary of fire resistance study Bostik FP 402 Fireseal Silicone from Peutz fire safety laboratory.

This report specifies the correct classifications of Bostik FP 402 Fireseal Silicone in various joint constructions.

STORAGE STABILITY

Store in unopened packaging in dry conditions between +5 and +25 °C. Shelf life 18 months after production. Has a limited shelf life once packaging has been opened.

FURTHER INFORMATION AVAILABLE ON REQUEST

- Material safety data sheet.
- Summary of the fire resistance tests according to 1366-4

| Technical data | |
|--|---|
| Base | 2-Pentanone Oxime |
| Application temperature | +5°C to +40°C |
| Density | 1,24 g/ml (ISO 1183-1) |
| Skin formation | 8 minutes (at +23°C/50% RH) |
| Elongation at break | 550% (DIN 53504 S2) |
| Shore A | 19 (DIN 53505) |
| Tensile strength | 1,30 N/mm ² (DIN 53504) |
| Application rate | 130 g/min (Ø3mm/6,3 bar) |
| 100% Modulus | 0,35 N/mm ² (DIN 53504 S2) |
| Curing time | 2-3 mm / 24 hours (at +23°C/50% RH) |
| Reaction to fire | Class B-s1,d0 |
| Temperature resistance | -50°C to +120°C |
| Frost resistance during transportation | Up to -15°C |
| Article codes | 30622931 cartridge 310 ml white, 30622929 cartridge 310 ml grey, 30622990 cartridge 310 ml black, 30622930 sausage 600 ml white, 30622928 sausage 600 ml grey, 30622989 sausage 600 ml black |
| Packed per | box of 12 cartridges / sausages |
| Pallet quantity | 1248 cartridges / 660 sausages |

These are typical values

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