



# FP402

## FIRESEAL SILICONE HIGH QUALITY FIRE RESISTANT SILICONE SEALANT

### TECHNICAL DATA SHEET

#### BENEFITS

- Tested according to EN 1366-4
- Up to 4 hours of fire resistance
- Can be applied in joints up to 30 mm wide
- In combination with FP404 PU GUN FOAM in joints up to 40 mm wide
- Excellent processing, does not slump
- Joint movement up to 25%
- UV, water and weather resistant
- Airtight sealing
- For internal and external use
- B1 fire behaviour

#### PRODUCT DESCRIPTION

**Bostik FP402 FIRESEAL SILICONE** is a fire retardant, elastic, neutrally curing silicone sealant. **Bostik FP402 FIRESEAL SILICONE** is fire resistant for up to 4 hours in linear (movement) joints. Absorbs up to 25% of movement.

#### APPLICATIONS

**Bostik FP402 FIRESEAL SILICONE** was specifically developed for fire resistant sealing of connection and expansion joints in construction and is fire resistant in case of fire. Prevents the expansion of fire, smoke or toxic gases. Fire resistance tested according to EN 1366-4 up to 180 minutes in a gap of 30mm wide. Combined with **Bostik FP404 FIRE RETARDANT PU GUN FOAM** up to 180 minutes in a gap of 40mm wide. Ensure that you choose the correct fire resistance for your application by consulting the classification and test reports.

#### DIRECTIONS OF USE

A joint with the correct dimensions is able to absorb movements between building materials. 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 10 mm is 1:1, with a minimum of 5 mm in width and depth. For joints wider than 10 mm, the depth is the width divided by 3 plus 6 mm.



#### TECHNICAL DATA

100 % modulus	DIN 53504 S2	0,40 N/mm <sup>2</sup>
Application rate	@ Ø 4 mm/4 bar	150 g/min
Application temperature		+5°C to +40°C
Base		Neutral silicone
Curing time	@ +23°C/50% RH	2 mm/24 hours
Density	ISO 1183-1	1,24 g/ml
Elongation at break	DIN 53505/ ISO 868	635%
Fire rating		B1
Flow	ISO 7390	< 2 mm
Joint movement		25%
Shore A hardness	DIN 53505 / ISO 868	20
Skin formation	DBTM 10.00	7 - 8 minutes @ +23°C/50% RH
Temperature resistance		-40°C to +120°C
Tensile strength	DIN 53504 S2	1,30 N/mm <sup>2</sup>

*These values are typical properties and may vary +/-3%*

#### LIMITATIONS

- Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates

## SURFACE PREPARATIONS AND FINISHING

Application temperature: +5°C to +40°C (applies to environment and substrates). All substrates must be solid, clean, dry, and free of grease and dust. Clean substrates with **Bostik T100 UNIVERSAL CLEANER**. **Bostik FP402 FIRESEAL SILICONE** adheres perfectly without the use of primer to most non porous substrates. Porous substrates to be pre-treated with **Bostik T300 UNIVERSAL PRIMER**. Always test adhesion prior to application. Use **Bostik T500 FINISHING SOAP** to smoothen the joint.

## PAINTABILITY

**Bostik FP402 FIRESEAL SILICONE** is not paintable. We recommend covering the edges of the joint with masking tape to prevent surfaces that need to be painted from being contaminated by silicone.

## CLEANING

Tools should be cleaned after use with water. Hands can be cleaned with **Bostik T150 CLEANING WIPES** and/or water and soap. Cured material can only be mechanically removed.

## COLOUR(S)

- White
- Concrete Grey
- Black

## PACKAGING

- 300 ml cartridges, 12 per box
- 600 ml sausages, 12 per box

*For product specifications, please refer to the Online Product Detail Page*

## SHELF LIFE

In unopened original packaging between + 5°C and + 25°C, shelf life is up to 12 months from production date, stored in a dry place.

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## HEALTH & SAFETY

Product Safety Data Sheet must be read and understood before use. These are available on request and via the websites.

## CERTIFICATIONS

- EN 1366-4
- DIN 4102-1 Reaction to fire
- EN 15651-1: F-EXT-INT-CC 25LM
- EN 15651-2: G- CC 25LM
- A+ French VOC Regulation



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