

**Product Code:** BTKFPS300W

**Description:** Fire Retardant Silicone Sealant - 300ml



**Benefits**

- Tested according to EN 1366-4
- Up to 4 hours of fire resistance
- Can be applied in joints up to 30mm wide
- In combination with Zwaluw FP PU Foam in joints up to 40 mm wide
- Excellent processing, does not slump
- Joint movement up to 25%
- Good resistance to UV, water and weather
- Airtight sealing
- For external use
- Fire Behaviour: B1

**Application**

Bostik FR Silicone Sealant has been specially developed for fire resistant sealing of connection and expansion joints in constructions, and should have a certain fire resistance in case of fire. Prevents the expansion fire, smoke or toxic gases. Fire resistance tested according to EN 1366-4 up to 180 minutes in a gap of 30 mm wide. Combined with Zwaluw FP® PU 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 till 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 6 mm.

**Limitations**

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

**Paintability**

Zwaluw FP® Silicone Sealant is not paintable. It is recoended to cover the edges of the joint with masking tape in order to prevent that surfaces which remain to be painted will be contaminated with silicone.

**Cleaning**

Uncured material and tools can be cleaned by using Bostik Cleaner. Cured material can only be removed mechanically. Hands can be cleaned with Bostik Wipes.

**Additional Information**

|                         |                 |                            |
|-------------------------|-----------------|----------------------------|
| 100% Modulus            | DIN 53504 S2    | 0.40 N/mm <sup>2</sup>     |
| Application Rate        | @ Ø3 mm/6.3 bar | 150 g/min                  |
| Application Temperature |                 | +5°C to +40°C              |
| Base                    |                 | Neutral oxime              |
| Flow                    | ISO 7390        | <2mm                       |
| Curing Time             | @ +23°C/50% RH  | 2 mm/24 hours              |
| Density                 | ISO 1183-1      | 1.24 g/ml                  |
| Elongation at Break     | DIN 53504 S2    | 635%                       |
| Tensile Strength        | DIN 53504 S2    | 1.30 N/mm <sup>2</sup>     |
| Skin Formation          | DBTM 16         | 7-8 minutes @ +23°C/50% RH |
| Shore A Hardness        | DIN 53505       | 20                         |
| Temperature Resistance  |                 | -40°C to +120°C            |
| Joint movement          |                 | 25%                        |

These are typical values

