

## Soudal Fire Rated Silicone



### Features and Benefits

- High level of fire retardation
- Sealant for preventing the passage of smoke and gas
- Very good adhesion on many materials
- Permanently elastic after curing (without fire load)
- Very easy to apply
- Colour-fast and UV resistant
- Low modulus
- Not paintable

### Application

- Fire retardant expansion and connection joints in the construction industry
- Fire-resistant sealing of connection joints
- As part of the 'Soudal Fire Range' assortment for penetration seals and joints
- All usual construction and glazing joints

### Shelf Life

- 9 months in unopened packaging in a dry and cool storage at temperatures between +5°C and +25°C

### Packaging

- 310 ml cartridge

### Colours

- Grey, white

### Remarks

- Fire Silicone B1 FR is not paintable
- There is a risk for staining on porous surfaces such as natural stone

### Joint Dimensions

- Consult the 'Fire Range Installation Instructions Openings and Sealing' on the Soudal website for the correct joint dimensions depending on the required fire resistance

### Nature

- Clean, dry, free of dust and grease

### Description

Fire Silicone B1 FR is a high-quality, fire-resistant, smoke-tight, neutral, elastic, one component joint sealant based on silicones.

### Substrates

Various porous and non-porous surfaces such as wood, concrete, stone and other materials commonly used in construction. Not suitable for bitumen, PP, PE, PTFE and silicones.

### Surface preparation

Porous surfaces should be treated with Soudal Primer 150. All smooth surfaces can be treated with Soudal Surface Activator. We recommend a preliminary adhesion test on every surface.

### Method of use

- With manual – or pneumatic caulking gun
- Cleaning: Clean with White Spirit or Soudal Surface Cleaner immediately after use (before curing)
- Finishing: With a soapy solution or Soudal Finishing Solution before skinning
- Repair: With the same material

This technical data sheet replaces all previous editions. The data on this sheet have been compiled according to the last laboratory report. Technical characteristics can be changed or adapted. We are not responsible for any incomplete information. Before use, one needs to ensure that the product is suitable for his application. Therefore tests are necessary. Our general conditions apply.

## Soudal Fire Rated Silicone

### Technical Characteristics

Basis	Polysiloxane
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (20°C/65% R.H.)	Ca. 20 min
Curing speed* (20°C/65% R.H.)	Ca. 1 mm/24h
Hardness	16 Shore A
Density	Ca. 1.26 g/ml
Elastic recovery (ISO 7389)	>90%
Maximum allowed distortion	±25%
Elasticity modulus 100% (DIN 53504)	0.20 N/mm <sup>2</sup>
Elongation at break (DIN 53504)	900 %
Temperature resistance	-40°C → 140°C
Application temperature	1°C → 30°C
Fire resistance (EN 13501-2) **	<= 240min

(\*) These values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

(\*\*) This value is dependent on the joint- or penetration seal configuration and the joint- or penetration seal dimensions.

### Standards and Certificates

European Technical Approval Firesilicone B1 FR – ETA 13/0336

CE-marked (BCCA – EC conformity CPR)

Various test and classification reports in various accredited testing institutes: IFT Rosenheim, ITB Poland, Warrington Fire Gent, Warrington Fire Australia, Efectis Netherlands, Efectis France, CSTB France, CSI Italy

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