

## Silirub FR

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### Technical data

Chemical Base		1-C Silicone
Cure Mechanism		Moisture
Cure Type		Neutral
Joint Movement Capability	ASTM C 719	± 50 %
As Supplied @ 25°C, 50% RH		
Color		Black, Grey, White
Consistency		Homogeneous paste
Density	ASTM D 1475	1.18 ± 0.02 g/ml
Flow Properties	ASTM C 639	0 (non-sag) mm
Skin Over Time	ASTM C 679	Approx. 6 minutes
Tack Free Time	ASTM C 679	Approx. 10 minutes
Depth Cure, 24 Hrs	Lab Test	~ 2.4 mm
As Cured – 7 Days @ 25°C, 50% RH		
Hardness (Shore A)	ASTM D 2240	30 – 35 Points
Tensile Strength	ASTM D 412	≤ 0.50 N/mm <sup>2</sup>
Elongation	ASTM D 412	≤ 500 %
Young's Modulus	ASTM D 412	≤ 0.30 Mpa
Service Temp.		-25 to + 400 °C (Based on the backer segments)
Application Temp.		5 to 45 °C

\* these values may vary depending on environmental factors such as temperature, moisture, and type of substrates

\*\*these information applies to the fully cured product

### Description

SOUDAL SILIRUB FR is elastic, Silicone based mastic. Prevents flames and smoke gases advancing between fire compartments. Classified up to EI240 (EN1366-4). Maintains colour and withstands water when dry. Firestop mastic has excellent adhesion with most construction materials. Can be used in metallic, gypsum, concrete, stone, brick and wooden surfaces.

### Properties

- Good adhesion on most construction materials
- Versatile to use
- Easy to apply
- Maintains its colour, water resistant after drying
- Can not be overpainted
- Elastic
- Protects against flames and smoke

### Application

SILIRUB FR firestop silicone is recommended to use with fire classified joints.

- Concrete and CMU
- Gypsum Wallboard
- Sealing of horizontal and vertical linear joints assemblies and fire rated floors

Remark: This technical data sheet replaces all previous versions. The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. Since the design, the quality of the substrate and processing conditions beyond our control, no liability under this publication are accepted. In every case it is recommended to carry out preliminary experiments. Soudal reserves the right to modify products without prior notice.

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Using temperature must be between +5°C and +40°C. Surfaces must be clean from dirt, grease and dust. Can be applied with caulking gun or trowel. Surfaces can be finished with wet tool

Clean joint and use priming if necessary. Cut nozzle to needed size and apply mastic for joint. Remove excessive mastic immediately (surface dries after few minutes). Notice small shrinkage when mastic dries.

After usage, joint and tools can be cleaned from residues with SWIPEX cleaning cloth.

**Packaging**

Colour: white

Packaging: cartridges.

**Shelf life**

12 months in unopened packaging in a cool and dry storage place at temperatures between +10°C and +30°C.

**Substrates**

Substrates: all usual building substrates.

Nature: clean, free of dust and grease.

The substrate areas that will be in contact with sealant must be clean, dry, and free of all loose materials, dust, dirt, rust, oil, and other contaminants. Non - porous substrates should be cleaned with a solvent and a clean, lint - free, cotton cloth. Wipe dry immediately with another such cloth before the solvent evaporates from the surface. Porous surfaces may need to be grinded, free of dust and cleaned

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