



# SOUDAFLEX CONSTRUCTION FC

Revision: \$%\$%2016

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**Technical Data:**

Base	Polyurethane
Consistency	Paste
Curing System	Moisture Cure
Skin formation* (20°C/65% R.H.)	Ca. 15 min.
Curing Rate* (20°C/65% R.H.)	Ca. 3 mm/24h
Hardness (DIN 53505)	40 ± 5 Shore A
Specific Gravity (DIN 53479)	1,30 g/ml
Temperature Resistance	-30°C to +90°C
Elastic Recovery (DIN 7389)	> 80 %
Maximum allowed Distortion	20 %
Elasticity Modulus 100 % (DIN 53504)	0,80 N/mm <sup>2</sup>
Maximum Tension (DIN 53504)	1,70 N/mm <sup>2</sup>
Elongation at Break (DIN 53504)	700 %

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

**Product:**

Soudaflex Construction FC is a high quality, one component polyurethane sealant with high modulus for a wide range of sealing and bonding applications

**Characteristics:**

- Very easy application
- Stays elastic after curing
- Excellent resistance to UV radiation
- Very good adhesion on many materials
- Excellent resistance to many chemicals
- Especially developed for concrete applications

**Applications:**

- All sealing and bonding applications in the building industry
- Structural bonding in vibrating constructions

**Packaging:**

*Colour:* white, black, grey, other colours on request.  
*Packaging:* alu cartridge 310ml, sausages 300ml, 400ml and 600 ml.

**Shelf life and storage:**

12 months from date of manufacturing in unopened packaging stored in a cool and dry place at recommended temperatures between +5°C and +25°.

**Health- and Safety Recommendation:**

Apply the usual industrial hygiene. Consult the label for more information.

**Remark:** 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. In every case it is recommended to carry out preliminary experiments.

**McCoy Soudal Sealants Adhesives & Foams Pvt. Ltd.**

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### Surfaces:

*Type:* all usual building surfaces, most metals, polyesters and many plastics – not on glass.  
*State of Surface:* clean, dry, free of dust and grease  
*Preparation:*

- In very warm and moist climates we recommend the use of Primer 100 for applications on porous surfaces,
- No primer required for non porous surfaces.
- Non porous surfaces may be activated by Surface Activator

We recommend a preliminary compatibility test.

### Joint Size:

*Minimum Width:* 2mm (in bonding applications)  
5mm (in joints)  
*Maximum Width:* 10mm (in bonding applications)  
30mm (in joints)

*Minimum Depth:* 5mm (in joints)

### Recommendation:

Joints of 12mm or less: depth = width  
Joints of more than 12mm: 2 x depth = width

### Paintability

Only paint after full cure of the sealant.  
Depending on the composition of the paint, the drying of the paint can be influenced.  
Given the wide variety of paints a preliminary compatibility test is recommended.

### Application:

*Method:* caulking gun  
*Application temperature:* +5°C to +35°C  
*Clean:* with white spirit immediately after use  
*Finish:* with soapy water before skinning  
*Repair:* with same product

### Remarks:

- In order to ensure the correct performance of our product, Soudal recommends a small adhesion test.

### Environmental clauses

Leed regulation:  
Soudaflex Construction FC conforms to the requirements of LEED. Low –Emitting Materials: Adhesives and Sealants. SCAQMD rule 1168. Complies with USGBC LEED® 2009 Credit 4.1: Low-Emitting Materials – Adhesives & Sealants concerning the VOC-content.

### Liability

The content of this technical data sheet is the result of tests, monitoring and experience. She is general in nature and does not constitute any liability. It is the responsibility of the user to determine by own tests whether the product is suitable for the application.

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