

# Soudaflex 40FC

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## Technical data

Basis	Polyurethane
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (23°C/50% R.H.)	Ca. 25 min
Curing speed * (23°C/50% R.H.)	3 mm/24h
Hardness**	40 ± 5 Shore A
Density	1,30 g/ml
Elastic recovery (ISO 7389)**	> 80 %
Maximum allowed distortion	± 20 %
Max. tension (ISO 37)**	1,70 N/mm <sup>2</sup>
Elasticity modulus 100% (ISO 37)**	0,80 N/mm <sup>2</sup>
Elongation at break (ISO 37)**	700 %
Temperature resistance**	-30 °C → 90 °C
Application temperature	5 °C → 35 °C

\* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates. \*\* This information relates to fully cured product.

## Product description

Soudaflex 40FC is a high quality, neutral, elastic, 1-component construction joint and adhesive sealant based on polyurethane.

## Properties

- Very easy to apply
- Permanently elastic after curing
- Excellent resistance to UV radiation
- Very good adhesion on many materials
- Excellent resistance to many chemicals
- Non staining on natural stone

## Applications

- All sealing and bonding applications in the building industry.
- Sealing of shrinking joints in concrete floors.
- Bonding of roof tiles.
- All kinds of bonding in the construction sector.
- Strong elastic bonding in vibrating constructions.

## Packaging

*Colour:* white, black, teak, grey, concrete grey, other colors on request

*Packaging:* 310 ml alu cartridge, 300 ml foilbag, 600 ml foil bag, other packaging on request

## Shelf life

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

## Substrates

*Substrates:* all usual building substrates, metals, polyesters, ...

*Nature:* rigid, clean, dry, free of dust and grease.

*Surface preparation:* Apply Primer 100 on porous substrates. Prepare non-porous surfaces with a Soudal Surface Cleaner. There is no adhesion on PE, PP, PTFE (Teflon®) and bituminous substrates. We recommend a preliminary adhesion and compatibility test on every surface.

## Joint dimensions

*Min. width for bonding:* 2 mm

*Min. width for joints:* 5 mm

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 are beyond our control, no liability under this publication is 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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*Max. width for bonding:* 10 mm  
*Max. width for joints:* 30 mm  
*Min. depth for joints:* 5 mm  
Recommendation sealing jobs: joint width = 2 x joint depth.

**Application method**

*Application method:* With a manual, pneumatic or accu 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.

**Health- and Safety Recommendations**

Take the usual labour hygiene into account. Consult label and material safety data sheet for more information. Use only in well-ventilated areas.

Dangerous. Respect the precautions for use.

**Remarks**

- Soudaflex 40FC is paintable with most common paints. Due to the wide variety of lacquers and paints, a compatibility test is always recommended.
- Soudaflex 40FC has a good UV resistance but can discolour under extreme conditions or after very long UV exposure.
- It is recommended to do a compatibility test prior to application.
- Soudaflex 40FC can not be used as a glazing sealant.
- Contact with bitumen, tar or other plasticizer releasing materials such as EPDM, neoprene, butyl, etc. is to be avoided since it can give rise to discolouration and loss of adhesion.
- Do not apply or allow to cure in the presence of uncured silicone sealants, alcohol - or other solvent cleaners.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.

**Standards and certificates**

- Tested and in accordance with FDA regulation code CFR 21 paragr. 177.2600 (e) for repeated use in contact with aqueous foods.

**Environmental clauses**

*Leed regulation:*

Soudaflex 40FC 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. It is general in nature and does not constitute any liability. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application.

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