SOUDAL

Technical Data Sheet

Soudaflex 40FC

Technical data

Basis	Polyurethane
Consistancy	Stable paste
Curing system	Moisture curing
Skin formation* (20°C / 65% R.H.)	Ca. 15 min
Curing speed * (20°C / 65% R.H.)	3 mm/24h
Hardness	40 ± 5 Shore A
Density	1,30 g/ml
Elastic recovery (ISO 7389)	> 80 %
Maximum allowed distortion	± 20 %
Temperature resistance	-30 °C → 90 °C
Max. tension (DIN 53504)	1,70 N/mm²
Elasticity modulus 100% (DIN 53504)	0,80 N/mm²
Elongation at break (DIN 53504)	700 %
Application temperature	5 °C → 35 °C

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

Product description
Soudaflex 40FC is a high quality, elastic, 1-component sealant based on polyurethane.

Properties
- Very easy to apply
- Permanent elastic after curing
- Excellent resistance to UV radiation
- Very good adhesion on many materials
- Excellent resistance to many chemicals

Applications
- All sealing and bonding applications in the building industry.
- Structural bondings in vibrating constructions.
- Sealing of shrinking joints in concrete floors.
- Bonding of roof tiles.

Packaging
Colour: white, black, teak, grey, concrete grey
Packaging: 310 ml alu cartridge, 300 ml sausage, 600 ml sausage

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: clean, dry, free of dust and grease.
Surface preparation: Apply Primer 100 on porous substrates. Always use Primer 100 on natural stone, no primer on non-porous substrates. All smooth surfaces can be treated with Surface Activator.
No adhesion on glass. There is no adhesion on PE, PP, PTFE (Teflon®) and bituminous substrates. We recommend a preliminary compatibility test.

Joint dimensions
Min. width for bonding: 2 mm
Min. width for joints: 5 mm
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.

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Application method
Application method: With manual- or pneumatic caulking gun.
Cleaning: Clean with white spirit or Surface Cleaner immediately after use.
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 the packaging label for more information.

Remarks
- When painted with oxidative drying paints disturbances in the drying of the paint may occur (we recommend to do a compatibility test before application).

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. She 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.