FixingPoint.

Soudalflex 40 FC

Features and Benefits

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

Application

- 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

Shelf Life

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

Packaging

- 310ml aluminium cartridge

Substrates

- All usual building substrates, metals, polyesters

Nature

- Clean, dry, free of dust and grease

Colour

- White, black, teak, grey, concrete grey, other colours on request

Product Description

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

Method of application

- With manual – or pneumatic caulking gun
- Clean with white spirit or soudal surface cleaner immediately after use (before curing)
- Finish with a soapy solution or Soudal finishing solution before skinning
- Repair with the same material

Surface Preparation

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

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.

Soudalflex 40 FC

Technical Data

Basis	Polyurethane
Consistency	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 %
Max. tension (DIN 53504)	1,70 N/mm²
Elasticity modulus 100% (DIN 53504)	0,80 N/mm²
Elongation at break (DIN 53504)	700%
Temperature resistance	-30 °C – 90 °C
Application temperature	5 °C – 35 °C

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

Remarks

- Soudaflex 40FC is paint-able with most water based paints, however due to the large number of paints and varnishes available we strongly suggest a compatibility test before application
- 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
- 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 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

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.

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.