

Technical Data Sheet

SOUDAFLEX 40FC



Description:

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

Benefits:

- 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:

- Bonding in building and metal industry.
- 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.

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.

There is no adhesion on glass, PE, PP, PTFE (Teflon®) and bituminous substrates. We recommend a preliminary compatibility test.

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.

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.

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

Remarks:

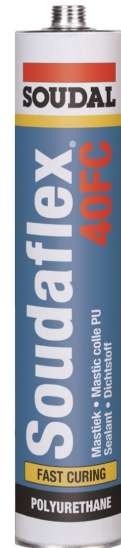
- When painted with oxidative drying paints disturbances in the drying of the paint may occur (we recommend to do a compatibility test before application).

Packaging:

310ml Cartridges.

Available Colours:

White, Grey and Black



Shelf Life:

At least 12-18 months when stored in cool dry conditions between 5°C and 25°C.

Technical Data:

Basis	Polyurethane
Consistency	Stable paste
Curing Time	Moisture curing
Skin Formation* (20°C / 65% R.H.)	Ca. 15 min
Curing Speed* (20°C / 65% R.H.)	Ca. 2 mm/24h
Hardness	Ca. 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/mm ²
Elasticity Modulus 100% (DIN 53504)	0,80 N/mm ²
Elongation at break (DIN 53504)	700 %
Application Temperature	5 °C → 35 °C

Product of: Soudal

Date: July 2016