

Soudaflex 45HM

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Technical data

Basis	Polyurethane
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (20°C / 65% R.H.)	Ca. 25 min
Curing speed * (20°C / 65% R.H.)	3 mm/24h
Hardness	36 ± 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

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

Product description

Soudaflex 45HM is an elastic, high modulus, one-component polyurethane joint sealant with SNJF label category F 25E.

Properties

- Very easy to apply
- Long open time.
- Permanent elastic after curing
- Excellent resistance to UV radiation
- Very good adhesion on many materials
- Excellent resistance to many chemicals
- Especially developed for concrete applications
- Can be painted with most types of paint systems.
- Especially developed for concrete applications

Applications

- All sealing and bonding applications in the building industry.
- Sealing of shrinking joints in concrete floors.
- Bonding of roof tiles.
- Connection joints between window- and doorframes and walls.

Packaging

Colour: white, black, grey, other colors on request

Packaging: 310 ml alu cartridge, 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.

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 beyond our control, no liability under this publication are 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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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.

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.

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).

Standards

- France: Label SNJF elastic sealant 25E.

**Environmental clauses***Lead regulation:*

Soudaflex 45HM 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.

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