
SOUDAFLEX 45 HM

Revision: 19/07/2005

Page 1 of 2

Technical Data:

Base	Polyurethane
Consistency	Paste
Curing System	Moisture Cure
Skin formation (20°C/65% R.H.)	Ca. 45 min.
Curing Rate (20°C/65% R.H.)	3 mm/24h
Hardness (DIN 53505)	42 ± 5 Shore A
Specific Gravity (DIN 53479)	1,26 g/mL
Temperature Resistance	-30°C to +90°C
Elastical Recovery (ISO 7389)	> 80 %
Maximum allowed Distortion	20 %
Elasticity Modulus 100 % (DIN 53504)	0,80 N/mm ²
Maximum Tension (DIN 53504)	1,70 N/mm ²
Elongation at Break (DIN 53504)	700 %

Product:

Soudaflex 45 HM is a high quality, one component polyurethane sealant with high modulus for a wide range of sealing and bonding applications

Characteristics:

- Very easy application
- Stays elastic after curing
- Very good adhesion on many materials
- Excellent resistance to many chemicals
- Especially developed for concrete applications

Applications:

- All sealing and bonding applications in the building industry
- Structural bondings in vibrating constructions

Packaging:

Colour: white, grey, black, other colours on request
Packaging: alu cartridge 310mL, sausages 600mL

Shelflife:

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

Surfaces:

Type: all usual building surfaces, most metals, polyesters and many plastics – not on glass
State of Surface: clean, dry, free of dust and grease
Preparation:

- In very warm and moist climates we recommend the use of Primer 100 for applications on porous surfaces,
- No primer required for non porous surfaces.
- Non porous surfaces may be activated by Surface Activator

We recommend a preliminary compatibility test.

Joint Size:

Minimum Width: 2mm (in bonding applications)
5mm (in joints)
Maximum Width: 10mm (in bonding applications)
30mm (in joints)

Minimum Depth: 5mm (in joints)

Recommandation:

- Joints of 12mm or less : depth = width
- Joints of more than 12mm : 2xdepth=width

Remark: 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. In every case it is recommended to carry out preliminary experiments.

SOUDAFLEX 45 HM

Revision: 19/07/2005**Page 2 of 2****Application:***Method:* caulking gun*Application temperature:* +5°C to +35°C*Clean:* with white spirit immediately after use*Finishing:* with a soapy solution before skinning*Repair:* with Soudaflex 45 HM**Health- and Safety Recommendation:**

Apply the usual industrial hygiene.

Remarks:

- In order to ensure the correct performance of our product, Soudal recommends a small adhesion test.
- When painted with oxidative drying paints disturbances in the drying of the paints may occur

Technical Norms/Conforms with:

- France: "Mastic Elastomère 1ère cat. (label SNJF)" for the Soudaflex 45 HM

Remark: 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. In every case it is recommended to carry out preliminary experiments.