

Soudaseal 225

Revision: 2/03/2016

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Technical data

Basis	SMX Hybrid Polymer
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (20°C / 65% R.H.)	Ca. 20 min
Curing speed * (20°C / 65% R.H.)	3 mm/24h
Hardness	30 ± 5 Shore A
Density	1,35 g/ml
Elastic recovery (ISO 7389)	> 70 %
Maximum allowed distortion	± 25 %
Temperature resistance	-40 °C → 90 °C
Max. tension (DIN 53504)	Ca. 2,00 N/mm ²
Elasticity modulus 100% (DIN 53504)	0,40 N/mm ²
Elongation at break (DIN 53504)	> 600 %
Application temperature	5 °C → 35 °C

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

Product description

Soudaseal 225 is a high quality, neutral, elastic, 1-component joint sealant based on SMX-Polymer.

Properties

- Tested and in accordance with ISO 11600 F-25LM.
- Good adhesion on most common building materials.
- Easy to tool, extrude (even at low temperatures) and finish in all weather conditions.
- Stays elastic after curing.
- No odour
- No bubble formation within sealant in high temperature and humidity applications.
- Primerless application on many substrates (except where water pressure may occur)
- Can be painted with water based systems
- Good colour stability, weather and UV resistance
- Solvent, halogen, acid and isocyanate free.

Applications

- Expansion and connection joints in the building industry: sealing of joints in prefabricated buildings, sealing between window and door frames,...
- Sealing of joints in automotive applications.
- Applications where the sealant needs to be overpainted with water based paints and varnishes.

Packaging

Colour: concrete grey, cement grey, basalt grey, dark beige

Packaging: 600 ml sausage, other packaging on request

Shelf life

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

Chemical resistance

Good resistance to water, aliphatic solvents, hydrocarbons, ketones, esters, alcohols, diluted mineral acids and alkalis and (salt) water. Poor resistance to aromatic solvents, concentrated acids and chlorinated hydrocarbons.

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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Substrates

Substrates: all usual building substrates, aluminium, stone, treated wood, PVC, ...

Nature: clean, dry, free of dust and grease.

Surface preparation: All smooth surfaces can be treated with Surface Activator. Porous surfaces in water loaded applications should be primed with Primer 150.

We recommend a preliminary adhesion test on every surface.

Joint dimensions

Min. width for joints: 5 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

Health- and Safety Recommendations

Take the usual labour hygiene into account.

For more information see Material Safety Data Sheet.

Remarks

- Soudaseal 225 may be overpainted with water based paints, however due to the large number of paints and varnishes available we strongly suggest a compatibility test before application.
- The drying time of alkyd resin based paints may increase.
- Soudaseal 225 can not be used as a glazing sealant.
- Soudaseal 225 is non staining and suitable for sealing on natural stone on condition the joint dimensions and joint movement are respected. Avoid permanent pressure on the sealant.
- When applying, make sure not to spill any sealant on the surface of materials. Taping the surface around the joint can prevent this.

Standards

- Complies with ISO 11600 F 25 LM

Environmental clauses

Lead regulation:

Soudaseal 225 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. 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.

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