

## Soudaseal 225

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### Technical data

Basis	SMX Hybrid Polymer
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (23°C/50% R.H.)	Ca. 20 min
Curing speed * (23°C/50% R.H.)	3 mm/24h
Hardness**	30 ± 5 Shore A
Density	1,35 g/ml
Elastic recovery (ISO 7389)**	> 70 %
Maximum allowed distortion	± 25 %
Max. tension (ISO 37)**	Ca. 2,00 N/mm <sup>2</sup>
Elasticity modulus 100% (ISO 37)**	0,40 N/mm <sup>2</sup>
Elongation at break (ISO 37)**	> 600 %
Temperature resistance**	-40 °C → 90 °C
Application temperature	5 °C → 35 °C

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

### 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.
- Very low emission, EC1 PLUS R certified
- 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 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.
- Sealing of floor joints.
- Sealing of shrinking joints in concrete floors.
- All usual horizontal building, connection, expansion and dilatation joints.

### Packaging

*Colour:* concrete grey, cement grey, basalt grey, dark beige, other colors on request  
*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 (salt)water, aliphatic solvents, hydrocarbons, ketones, esters, alcohols, diluted mineral acids and alkalis.  
Poor resistance to aromatic solvents,

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concentrated acids and chlorinated hydrocarbons.

### Substrates

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

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

*Surface preparation:* Prepare non-porous surfaces with a Soudal activator or cleaner (see Technical Data Sheet). Porous surfaces should be primed with Primer 150.

Not suitable for PE, PP, PTFE (eg Teflon®), bituminous substrates, copper or copper-containing materials such as bronze and brass. We recommend a preliminary adhesion and compatibility 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 Soudal Surface Cleaner immediately after use (before curing).

*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 label and material safety data sheet for more information.

### 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 cannot be used on porous materials such as natural stone because of the risk of staining.
- When applying, make sure not to spill any sealant on the surface of materials. Taping the surface around the joint can prevent this.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.
- Not suitable for bonding aquariums.
- Do not use in applications where continuous water immersion is possible.
- Discoloration due to chemicals, high temperatures, UV-radiation may occur. A change in color does not affect the technical properties of the product.
- 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.

### Standards and certificates

- Complies with ISO 11600 F 25 LM
- Tested and in accordance with FDA regulation code CFR 21 paragr. 177.2600 (e) for repeated use in contact with aqueous foods.

### 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.

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### 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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