

# Soudaseal SL

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## Technical data

Basis	SMX Hybrid Polymer
Consistency	Tixotropic liquid
Curing system	Moisture curing
Skin formation* (23°C/50% R.H.)	Ca. 55 min
Curing speed * (23°C/50% R.H.)	3 mm/24h
Hardness**	30 ± 5 Shore A
Density	1,48 g/ml
Elastic recovery (ISO 7389)**	> 70 %
Maximum allowed distortion	± 20 %
Max. tension (ISO 37)**	Ca. 1,90 N/mm <sup>2</sup>
Elasticity modulus 100% (ISO 37)**	Ca. 0,55 N/mm <sup>2</sup>
Elongation at break (ISO 37)**	Ca. 800 %
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 SL is a high quality, neutral, elastic, 1-component selfleveling sealant based on SMX-Polymer.

## Properties

- Very easy to apply
- Self-leveling
- High adhesive strength
- Stays elastic after curing.
- No odour
- Can be painted with water based systems

## Applications

- Sealing in construction and metal industry.
- Sealing of hidden connections between several panels in automotive applications.

## Packaging

*Colour:* white, other colors on request

*Packaging:* 600 ml foil bag, 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, concentrated acids and chlorinated hydrocarbons.

## Substrates

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

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

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

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.

## Application method

*Application method:* With manual- or pneumatic caulking gun.

*Cleaning:* Clean with White Spirit or Soudal

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 are beyond our control, no liability under this publication is 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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Surface Cleaner immediately after use (before curing).

*Finishing:* None

*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 SL 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 SL can not be used as a glazing sealant.
- A total absence of UV can cause a color change of the sealant.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.
- Soudaseal SL cannot be used on natural stone.
- When applying, make sure not to spill any sealant on the surface of materials. Taping the surface around the joint can prevent this.
- 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.

### Environmental clauses

*Leed regulation:*

Soudaseal SL 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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