

Soudaseal SL

Revision: 01/03/2021

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Technical data

Base	Silyl-terminated polymer	
Sag	Flowable sealant Type I @50°C (120°F)	ASTM C 639
Curing system	Moisture Cure	
Skin Formation (*)	15 minutes	@ 23°C (75°F) & 50% relative humidity
Tack-free time (*)	60 minutes	ASTM C 679
Curing time (*)	24-48 hrs, 6 mm (1/4") diameter bead	@ 23°C (75°F) & 50% relative humidity
Hardness – Shore A	30 +/- 5	ASTM C 661
Tensile Strength	1.55 N/mm ²	ASTM D 412
Elongation	350%	ASTM D 412
Movement capability	+/- 25%	ASTM C 719
Stain and color change	Passes	ASTM C 510 (mortar)
Artificial weathering	No Cracking	ASTM C 793
Service temperature range	-40°C to +93°C (-40°F to +200°F)	
Application temperature range	-37°C to +60°C (-35°F to +140°F)	
Shelf life	12 months	Stored between +5°C & +25°C (41°F & 77°F)
VOC	2% - 34 g/L	EPA method 24

* 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: limestone, other colors on request
Packaging: 858 ml foil bag

Shelf life

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C (41°F – 77°F).

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.

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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 Surface Cleaner immediately after use (before curing).

Finishing: None

Repair: With the same material.

Joint dimensions

Min. width for joints: 5 mm (1/4")

Max. width for joints: 30 mm (1 3/16")

Min. depth for joints: 5 mm (1/5")

Recommendation sealing jobs: joint width = 2 x joint depth.

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.

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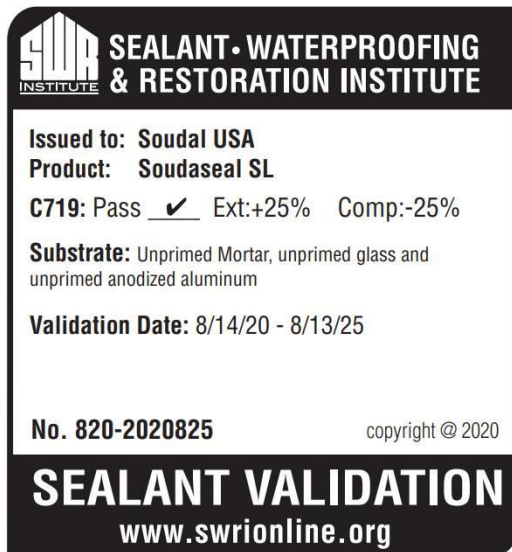
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Standards and certificates

Meets ASTM C-920 Type S, Grade P Class 25, Use T, NT, M, A, G* and O**
Federal Specification TT-S-00230C, Type II, Class A.

*Soudaseal SL is not recommended to be used as a glazing sealant

**see recommended substrates



SEALANT · WATERPROOFING & RESTORATION INSTITUTE

Issued to: **Soudal USA**
Product: **Soudaseal SL**
C719: Pass Ext:+25% Comp:-25%

Substrate: Unprimed Mortar, unprimed glass and unprimed anodized aluminum

Validation Date: 8/14/20 - 8/13/25

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SEALANT VALIDATION
www.swrionline.org

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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