



Soudaseal 605

Product description

Soudaseal 605 is a high quality, neutral, elastic, one-component adhesive-sealant with very fast strength build-up based on SMX-polymer.

Properties

- Fast curing
- High initial tack
- Very good adhesion on many materials
- Excellent UV-resistance
- Colourfast
- Stays elastic after curing
- No bubble formation within sealant in high temperature and humidity applications
- Easy to tool, extrude (even at low temperatures) and finish in all weather conditions.
- No filamentoing, can be shaped and finished very well.
- Does not shrink
- No odour
- Free of isocyanates, solvents, halogens and acids
- Phthalate-free
- Tin-free

Applications

- Supple bonding and sealing in vibrating constructions in carbodies, caravans and containers.
- Strong elastic bonding in vibrating constructions.
- Flexible connections in automotive applications.

Technical data

Base		SMX Hybrid Polymer
Consistency		Stable paste
Curing system		Moisture curing
Skin formation		25 minutes
Curing speed		3 mm/24h
Density		1,69 g/ml
Maximum allowed joint movement	ISO 11600	± 20 %
Elasticity modulus	ISO 37	1,30 N/mm ²
Elongation at break	ISO 37	> 200 %
Maximum tension	ISO 37	1,70 N/mm ²
Hardness		50 ± 5 Shore A
Application temperature		+5°C → +35°C
Temperature resistance		-40°C → +90°C

Footnote: Skinning time and curing speed may vary depending on environmental factors such as temperature, moisture, and type of substrates.



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Substrates

- Substrate condition
The surface must be rigid, clean, dry, free of dust and grease.
- Substrate preparation
Prepare non-porous surfaces with a Soudal activator or cleaner (see Technical Data Sheet). Porous surfaces should be primed with Soudal Primer 150.
- Substrate types
Soudaseal 605 has a good adhesion to following substrates: Many porous and non-porous substrates, metals, aluminium, wood, PVC. Soudaseal 605 has no good adhesion or is not suitable for PE, PP, PTFE (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
Apply Soudaseal 605 with a manual- or pneumatic caulking gun.
- Cleaning method
Clean with White Spirit or Soudal Surface Cleaner immediately after use (before curing).
- Finishing method
Finish with a soapy solution or Finishing Solution before skinning.
- Repair method
Repair with the same material.

Health- and Safety Recommendations

Take the usual labour hygiene into account. Consult the packaging label and safety data sheet for more information.

Packaging/Logistics

Colour: Please consult the product catalogue, the Soudal website or a Soudal representative.

Packaging: Please consult the product catalogue, the Soudal website or a Soudal representative.

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

Standards and certificates

- Soudaseal 605 meets GEV EMICODE: EC1 PLUS - very low emission.
- Declaration of compliance ISEGA - Tested for use in foodstuffs-related area.

Remarks

- When applying, make sure not to spill any sealant on the surface of materials next to the joint. Using tape on the surface next to the joint can prevent this.
- Soudaseal 605 may discolor as a result of exposure to chemicals, high temperatures, UV radiation, or extended storage in dark areas where no UV radiation is present.
- A change in color does not affect the technical properties of the product.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.
- Do not use in applications where continuous water immersion is possible.
- Do not use on natural stones like marble, granite,...(staining).
- 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 discoloration and loss of adhesion.
- The paint should be sufficiently elastic to allow application on a plasto-elastic sealant.
- The drying time of alkyd resin based paints may increase.



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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. It is general in nature and does not constitute any liability. 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. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application. In every case it is recommended to carry out preliminary experiments. The manufacturer reserves the right to modify products without prior notice.