

Soudaseal 605

Revision: 1/04/2024

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Technical Data

Basis	SMX Hybrid Polymer
Consistency	Stable paste
Curing System	Moisture curing
Specific Gravity	1.69
Skin formation time (23°C/50% R.H.) (min)*	25
Curing speed (23°C/50% R.H.) (mm/24h)*	3
Hardness Shore A, Points (ISO 868)**	50 ± 5
Tensile Strength (N/mm ²) (ISO 37)**	1.70
Elongation at Break (ISO 37) (%)**	>200
Elasticity Modulus 100% (ISO 37) (N/mm ²)**	1.30
Maximum Allowed Distortion (ISO 11600) (%)	±20
Temperature Resistance (°C)**	-40 to +90
Application Temperature (°C)	5 to 35

*These values may vary depending on environmental factors such as temperature, moisture and the type of substrate.

**This information relates to fully cured products.

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
- Good adhesion on nearly all substrates
- Stays elastic after curing
- No bubble formation within sealant in high temperature and humidity applications
- No odour
- Does not shrink
- Solvent, halogen, acid and isocyanate free
- Phthalate-free
- Tin-free

Packaging:

Colour: white, black
Packaging: 600 ml foil bag

Applications:

- Supple bonding and sealing in vibrating constructions in car bodies, caravans and containers.

- Strong elastic bonding in vibrating constructions.
- Flexible connections in automotive applications.

Shelf Life and Storage:

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

Health and Safety Recommendations:

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

Substrates:

Substrates: many porous and non-porous substrates, metals, aluminium, wood, PVC, 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.

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

Surface preparation: Prepare non-porous surfaces with a Soudal activator or cleaner Porous surfaces should be primed with Primer 150.

Remark: 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. In every case it is recommended to carry out preliminary experiments.

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Applying Method:

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.

Remarks:

- When applying, make sure not to spill any sealant on the surface of materials. Taping the surface around the joint can prevent this.
- A total absence of UV can cause a color change of the sealant.
- Soudaseal 605 can discolour under the influence of high UV stress and in dark spaces.
- Discoloration due to chemicals, high temperatures, UV-radiation may occur. 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.
- Contact with bitumen, tar or other plasticizer releasing materials such as EPDM, neoprene, butyl, etc. isto be avoided since it can give rise to discolouration and loss of adhesion.

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