

## Soudaseal 4 All Paint

Revision: 8/09/2015

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### Technical data

Basis	MS Polymer
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (20°C / 65% R.H.)	Ca. 10 min
Curing speed * (20°C / 65% R.H.)	2 mm/24h
Hardness	35 ± 5 Shore A
Density	1,53 g/ml
Elastic recovery (ISO 7389)	> 75 %
Maximum allowed distortion	± 25 %
Temperature resistance	-40 °C → 90 °C
Max. tension (DIN 53504)	1,43 N/mm <sup>2</sup>
Elasticity modulus 100% (DIN 53504)	0,60 N/mm <sup>2</sup>
Elongation at break (DIN 53504)	> 500 %
Application temperature	5 °C → 35 °C
Shrinkage	2 to 3% (DIN EN 10563)

(\*) these values may vary depending on environmental factors such as temperature, moisture, and type of substrates.

### Product description

Soudaseal 4 All Paint is a high quality, neutral, elastic, 1-component glazing and joint sealant based on MS-Polymer according to ISO 11600 G 20HM.

### Properties

- Excellent adhesion on nearly all surfaces, even if slightly moist.
- Excellent adhesion on alu, PVC and glass.
- Very good mechanical characteristics.
- High elasticity – movement accomodation up to ±25%
- No bubble formation within sealant in high temperature and humidity applications.
- Good colour stability, weather and UV resistance
- Easy to use and apply, also under difficult circumstances.
- Free of isocyanates, solvents, halogens and acids
- Can be painted with water based systems

### Applications

- Glazing joints (top sealing between glass and window profiles according to NPR 3577) to be painted.

- Connection and expansion joints between window frames and wall that are painted.

### Packaging

*Colour:* RAL9010 (white), RAL8016 (brown), RAL9011 (black), RAL7004 (grey)  
*Packaging:* 290 ml cartridge, 600 ml sausages (only certain colours)

### 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 water, aliphatic solvents, mineral oils, grease, diluted inorganic acids and alkalis. Poor resistance to aromatic solvents, concentrated acids and chlorinated hydrocarbons.

### Substrates

*Substrates:* glass, treated wood, concrete, PVC, aluminium, all usual building substrates,

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

*Surface preparation:* No pretreatment required  
We recommend a preliminary adhesion test on every surface.

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 beyond our control, no liability under this publication are 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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**Compatibility with glass**

Soudaseal 4 All Paint is not suitable for contact with secondary sealant of insulating glass units. Soudaseal 4 All Paint is not suitable for direct contact with pvb-films for laminated glass. We recommend Silirub P Top for this application.

**Joint dimensions**

*Min. width for joints:* 4 mm

*Max. width for joints:* 30 mm

*Min. depth for joints:* 4 mm

Recommendation sealing jobs: width  $\leq$  6 mm: width = depth. Width > 6 mm: width = 2 x depth.

**Application method**

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

*Cleaning:* Clean with white spirit or Surface Cleaner immediately after use.

*Finishing:* With a soapy solution or Soudal Finishing Solution before skinning.

*Repair:* With the same material

**Paintability**

- Only paint after full cure of the sealant.
- Before painting we recommend to degrease the sealant. Definitely recommended if the kit was finished with soapy water.
- Slightly grinding the sealant can improve the adhesion.
- In general wood paints give good coverage without stripes or craters. Given the wide variety of wood paints a preliminary compatibility test is recommended.
- The adhesion of alkyd based paints can only be evaluated after 3 to 4 weeks when the paint is fully dried.
- Depending on the composition of the paint, the drying of the paint can be influenced.

**Health- and Safety Recommendations**

Take the usual labour hygiene into account.

For more information see Material Safety Data Sheet.

**Remarks**

- Soudaseal 4 All Paint 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.
- Remove all traces of soap (tooling) because it will harm the adhesion of the paint onto the sealant.
- The paint may be painted even when still tacky. Two layers of paint result in faster drying of the paint surface.
- Self-cleaning-glass: Soudaseal 4 All Paint allows a primerless application on self-cleaning-glass. (e.g. Activ Glass by Pilkington and Bioclean by Saint-Gobain Glass). All naturally and accelerated weathering tests performed up till now show an excellent compatibility and adhesion of the product on the self-cleaning-glass. Our growing experience with this type of glass will also allow for a more accurately predicted long-term functionality of the product onto this type of glass.

**Environmental clauses****Leed regulation:**

Soudaseal 4 All Paint 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. She 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 and paintable with the paint used.

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