

## Soudal Ayna Silikonu

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### Technical data

Basis	Polysiloxane
Consistency	Stable paste
Curing system	Moisture curing
Skin formation* (23°C/50% R.H.)	Ca. 7 min
Curing speed * (23°C/50% R.H.)	Ca. 2 mm/24h
Hardness**	16 ± 5 Shore A
Density**	Ca. 1,03 g/ml
Elastic recovery (ISO 7389)**	> 80 %
Maximum allowed distortion (ISO 11600)	25 %
Max. tension (ISO 37)**	Ca. 1,40 N/mm <sup>2</sup>
Elasticity modulus 100% (ISO 37)**	Ca. 0,24 N/mm <sup>2</sup>
Elongation at break (ISO 37)**	> 800 %
Temperature resistance**	-40 °C → 180 °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

Soudal Ayna Silikonu is a high-quality, elastic one-component joint sealant/adhesive based on silicones

### Properties

- Compatible with most backcoatings of quality mirrors
- Very good adhesion on many materials
- Very easy to apply
- Permanently elastic after curing
- UV-resistant
- MEKO free

### Applications

- Bonding of mirrors
- Bonding of mirrors on uneven surfaces.
- Sealing of joints in mirror walls.

### Packaging

*Colour:* transparent

*Packaging:* 310 ml cartridge

### Shelf life

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

### Substrates

*Substrates:* all usual building substrates

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

*Surface preparation:* Porous surfaces should be primed with Primer 150. No primer needed for non-porous substrates. All smooth surfaces can be treated with Soudal Surface Activator. There is no adhesion on PE, PP, PTFE (Teflon®) and bituminous substrates. We recommend a preliminary adhesion and compatibility test on every surface.

### Joint dimensions

*Min. width for bonding:* 10 mm

*Min. thickness:* 3 mm

### Application method

Apply product with the enclosed triangular nozzle in vertical beads to the back of the mirror. Depending on the dimension and weight of the mirrors, beads should be placed at equal distances between 10 to 20cm from each other. Use a double sided mirror tape for an initial tack and to create the necessary ventilation behind the mirror. See also 'Remarks'.

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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*Application 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.

### Health- and Safety Recommendations

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

### Remarks

- Due to the wide variety of types of mirrors, we strongly recommend preliminary compatibility tests.
- Due to the low initial tack, the mirrors need to be supported during the curing process until the adhesive has fully cured. The time required depends on the weight/size of the mirror, temperature, relative humidity and the amount of product used.
- In order to avoid possible problems due to condensation, the mirror manufacturers as well as Soudal recommend sufficient ventilation at the back of the mirror. As a guideline, an opening of 3 mm should be left between the surface and the mirror. This can be assured by the use of double sided mirror tape.
- We recommend this minimal ventilation opening of 3 mm to ensure correct curing of the adhesive/sealant. Full surface bonding is at own risk of the applicator.
- For larger mirrors always use the adhesive in combination with a high quality double-sided mirror tape.
- Mirrors that are fitted with a safety film at the back to avoid shattering must be pre-treated with an adhesion promoter. The use of Soudal Surface Activator will ensure the best bonding performance on this type of safety film. Without the use of Soudal Surface Activator the adhesive bond might be insufficient with the risk of an unsafe situation.

- Do not use on natural stone such as marble, granite, ... (staining). Use for this application Silirub + S8800.
- A total absence of UV can cause a color change of the sealant.
- Do not use on polycarbonate. Use Silirub PC instead.
- Do not use in applications where continuous water immersion is possible.
- When using different reactive joint sealants, the first joint sealant must be completely hardened before the next one is applied.
- 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

*Lead regulation:*

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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