Soudaseal Mirror

Technical data

Basis	MS Polymer
Consistancy	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 → 3 mm/24h
Hardness	50 ± 5 Shore A
Density	1,62 g/ml
Elastic recovery (ISO 7389)	> 75 %
Maximum allowed distortion	± 20 %
Temperature resistance	-40 °C → 90 °C
Initial tack	> 80 kg/m²
Max. tension (DIN 53504)	1,90 N/mm²
Elasticity modulus 100% (DIN 53504)	0,75 N/mm²
Elongation at break (DIN 53504)	600 %
Application temperature	5 °C → 35 °C
Shrinkage	< 2%

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

Product description
Soudaseal Mirror is a high quality, neutral, 1-component mirror adhesive based on MS-Polymer. Soudaseal Mirror is a high strength mirror adhesive, compatible with all acetone resistant mirrors.

Properties
- Fast curing
- Primerless adhesion even on damp surfaces due to unique adhesion promoters.
- Stays elastic after curing and very sustainable
- No odour and does not contain solvents
- Does not contain isocyanates and no silicones
- No risk for staining on porous substrates (migration of plasticizer).
- Colourfast.

Applications
- Bonding of all kinds of mirrors with an acetone safe back.
- Sealing of joints in mirror walls.
- Bonding of mirrors even on damp surfaces. Water resistant bonding.

Packaging
Colour: grey
Packaging: 290 ml cartridge

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.

Remark: This technical data sheet replaces al 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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Substrates
Substrates: all usual building substrates, treated wood, PVC, plastics
Nature: clean, dry, free of dust and grease.
Surface preparation: Porous surfaces in water loaded applications should be primed with Primer 150. All smooth surfaces can be treated with Surface Activator.
Soudaseal Mirror has excellent adhesion on most substrates. Soudaseal Mirror can also be used on natural stone. We recommend a preliminary adhesion test on every surface. There is no adhesion on PE, PP, PTFE (Teflon®) and bituminous substrates.

Joint dimensions
Min. width for bonding: 10 mm
Min. thickness: 3 mm
Recommendation: use double-sided adhesive tape as a spacer between the wall and the freely suspended mirror.

Application method
Application method: With manual- or pneumatic caulking gun. Apply Soudaseal Mirror with attached V-cut nozzle in vertical adhesive beads on the back of the mirror. Depending on the weight of the pirror an adhesive bead shall be applied every 10 to 20 cm. See also remarks.
Cleaning: With Fix ALL Cleaner immediately after use.
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 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 3-4mm 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 3-4mm 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 very good and qualitative double-sided adhesive 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.

Environmental clauses
Leed regulation:
Soudaseal Mirror 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.

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