Technical Data Sheet

Wisacoll® SK 900 Spiegelkleber

Elastic silicone adhesive, specially recommended for mirrors, coloured glass backsplashes, stainless steel and food industry

Application areas

- Wisacoll SK 900 specially designed for permanent installation of mirrors and coloured glass panels in kitchens
- furthermore for special applications and gluing work in the industry and handicraft, where a high level of service life and an elastic bonded joint is required (stress equalization)
- ideal for glass construction, kitchen construction, interior finishing, food industry and industry

Product benefits

- suitable for applications with direct food contact (after complete cross-linking); the test report is available on our website
- elastic
- neutral cross-linking
- excellent and long-lasting adhesion
- good UV, weather and ageing resistance
- compatible with PVB sheets laminated safety glass
- almost odourless
- solvent-free (VOC-free)
- for indoor and outdoor use
- no risk of corrosion
- free of shrinkage and bubbles
- hardly any surface soiling

Restrictions

Not suitable for oil and bitumen-containing substrates, waxy substrates, PE, PP, Teflon®. The product must not be applied to fresh alkaline substrates, e.g. fresh plaster. For oxime-incompatible mirror coatings (e.g. antique mirrors with a copper layer), use only the even milder and slower special type Wisacoll SK 902 white.
To prevent any adhesive from shining through with age, coloured lacquered glass must have an opaque coating (hand test).

Base

Wisacoll SK 900 is a particularly strong silicone-based adhesive without fungicidal additives; after extrusion, the product vulcanises under the influence of humidity, forming a silicone rubber that remains elastic.

Processing

The bonding surfaces must be sound, dry and free of dust and grease.
Pre-coat absorbent and porous substrates with Wi-Primer V-02.
Use Wi-Primer V-01 as a solvent-free alternative. Clean non-absorbent surfaces with Wisatyp TL 16. Always prime alkaline substrates!

- Never use primer on the backside of the mirror!
- Clean the chrome steel immediately before bonding, sand and degrease again.

- Make sure that the mirror surface is not scratched or otherwise damaged. Any damaged areas on the back of the mirror must not come into contact with the adhesive.

Check treated and non-absorbent surfaces with an adhesion test.

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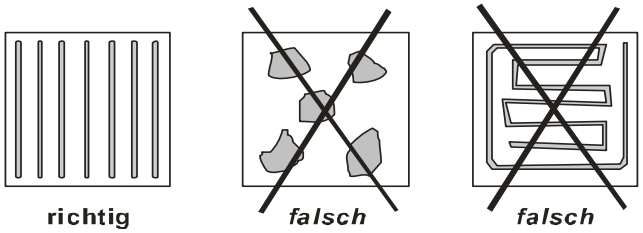
Adhesive consumption

For secure bonding, a minimum bead length of 20 cm (~10 g) per kg of mirror weight is required.

Example: With 1 m^2 mirror surface of 4 mm thickness (= approx. 10 kg), this results in a total bead length of at least 2 m (~100 g). For problematic substrates like gypsum or soft fibre boards after priming, allow double the linear metres.

To be considered when bonding



Processing as adhesive

Apply the adhesive evenly at intervals of approx. 10 cm in vertical beads. Recommended bead width 5 - 8 mm. If possible, interrupt longer beads occasionally. Join the parts to be glued together before skin formation; if necessary, fix until sufficient strength is achieved (ca. 24 h). Do not press the beads of adhesive too flat, especially when working with large parts. Recommendation: >3 mm Layer thickness

We advise to use our double-sided self-adhesive mirror tapes or underlay tapes to secure the distance and as a mounting aid.
This must not impair the air circulation behind the mirror. If mirrors are glued to ceilings, they must also be mechanically secured.

Processing as sealant

The sealant must be sprayed in such a way that sufficient pressure is exerted on the joint flanks. In particular, make sure that no air bubbles are trapped in the joint sealing compound.
Smooth the pressed-in sealant with a suitable joint spatula before skin formation. For smoothing joints, our smoothing compound Wikofix GM 52 has proved its worth in practice.

We accept no liability for damage caused by the use of commercially available detergents.
The masking tape must be removed immediately after application.

Density

ca. 1.03 g/cm³

Consistency

pasty, firm

Skin formation

after 8 - 10 min under normal conditions (+23 °C, 60 % rel. humidity)

Volume shrinkage

<3 % by volume

Max. total deformation

25 % for standardised joints

Setting time

ca. 2 - 3 mm on the first day, then decreasing in depth

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Recoatability	limited colour compatible (under certain conditions) in the border area
Shore A hardness	ca. 22
E-modulus 100 %	0.4 N/mm² (acc. to DIN 52455)
Temperature resistance	from -50 °C up to +180 °C (after complete cross-linking)
Breaking elongation	ca. 350 % (acc. to DIN 53504)
Repairing	can be repaired with the same material
Substrate	Mirror, glass, lacquered glass, glazed ceramic (tiles), ceramics, chromium steel, steel, aluminium, zink, copper, enamel, masonry, plastering, brick, artificial stones, eternit, concrete, wood, treated wood, wood-based materials, plastics commonly used in construction, e.g. solid PVC, PC, PMMA, ABS, acrylic (sanitary), polystyrene foam, polyester and most other substrates encountered in construction. For further surfaces, you will need to carry out your own tests.
Cleaning agents	Wisatyp TL 16 for cleaning non-absorbent adhesive surfaces and fresh product residues. The cured product can normally only be removed mechanically. To wash your hands, please use water and soap.
Processing temperature	from +5 °C up to +40 °C
Frost resistance	up to -15 °C (during transport)
Certificates / Norms	Test report for food sector
Further information	More information about this product (current technical data sheet, safety data sheet, certificates, product variants, etc.) can be found via the adjacent QR code.
Item no. + Colour	**SK 4900 blue-transparent** cartridge of 310 ml **SK 4901 transparent** For warranty reasons, we recommend different variants for the following uses: ▪ for mirror backs, the colour transparent-blue ▪ for coloured glass back panels, the transparent version
Delivery form	Packing unit of 12 cartridges of 310 ml
Shelf life	In closed original packaging, protected from direct sunlight and stored in a dry place between +15 °C and +25 °C, the official shelf life is 16 months from date of production (the printed expiry date is decisive).

Safety and disposal: Familiarise yourself with the valid Safety Data Sheets (SDS) for the products used. All applicable safety regulations and disposal instructions must be observed.

Have you noticed an unclear formulation or an error? Thank you for your feedback. In case of doubt, the German version of the technical data sheet applies.