



RAMSAUER®
DICHTSTOFFE

660 SPIEGEL KLEBER (Mirror Adhesive)

- Shore A-hardness: 40 (ISO 868)
- Density at 25°C: 1.44 g/cm³ (ISO 1183, method B)
- Skin over time: approx. 7 to 10 min. (+23°C / 50% relative humidity)
- In-depth curing: approx. 2 – 3mm after 24 hours
- E-modulus σ_{50} : 0.50 N/mm² (DIN EN 8339)
- E-modulus σ_{100} : 0.75 N/mm² (DIN EN 8339)
- Processing temperature: +5°C to +30°C
- Packaging: 290ml-cartridges
- Colours: white, grey
- Storage life: 12 months in a cool and dry place

Characteristics

660 SPIEGEL KLEBER is a ready-for-use 1-component adhesive on an MS-hybrid basis. This neutrally cross-linking adhesive is odourless and virtually does not shrink. 660 SPIEGEL KLEBER does not contain any solvents, silicone or isocyanate. The product adheres to virtually all commercially available reflective coatings used for mirrors without requiring a primer. 660 SPIEGEL KLEBER does not attack the mirror coating, and excels by very high initial adhesive force and fast in-depth curing. The product can be used on moist substrates too.

Application

660 SPIEGEL KLEBER is suitable for durable gluing of mirrors onto ceramics, glass, wood, concrete, and a variety of metallic and synthetic substrates. Before using the product on paint-coated or enamel-coated glass or generally on coated glass consult our application engineering department.

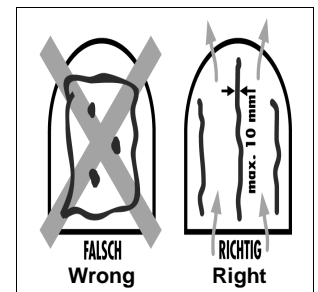
Processing

660 SPIEGEL KLEBER adheres to any and all solid and non-absorbent substrates which are free from oil, grease and dust, even without a primer. In case of absorbent substrates apply an insulating film forming primer ("Primer 70"), and take into account its open time. Adhesion and compatibility with different coats and substrates such as paint or enamel coats, plastics, etc. must be tested prior to application or the sealant must be known to be compatible with the respective materials.

Never apply 660 SPIEGEL KLEBER in the form of dots, but rather in vertical stripes. Do not damage the protective enamel coat of the mirror! The mirror should be glued onto the substrate immediately after applying the adhesive. Apply a minimum of four vertical beads of adhesive with a maximum width of 10 mm per square metre of mirror. Additional securing by means of mirror mounting adhesive tape is recommended. The mirror must be secured in the desired position until the mirror adhesive has cured. At 20°C and a relative humidity of approx. 50 % the mirror adhesive will need approx. 24 hours to reach the required strength!

When gluing mirrors take into account the Technical Guidelines of the Glazier's Trade ("*Technische Richtlinien des Glaserhandwerks*") No. 11 Mounting of Mirrors ("*Montage von Spiegeln*").

In case of overhead glue joints additional mechanical mounting is required. For external mirror joints with ceramics, metal, glass, etc. we recommend our product "Alkoxy 130". With respect to any other type of joints get in touch with our application engineering department.





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Limitations of application

Our information is based on the results of our own experiments with mirrors of renowned manufacturers. Liability that mirrors will not be tarnished can be assumed only subject to the condition that the mirror coating is sufficiently thick (50 µm) and free from damage. Due to the variety of applications it is highly recommended to conduct your own experiments.

Antique mirrors require additional mechanical mounting due to the low adhesive strength of the reflective coating.

It is imperative to take into account the expiry date of the product. The curing time increases with the thickness of the layer. Before using the 1-component product in layers with a thickness of more than 15 mm get in touch with our application engineering department.

Before using the mirror adhesive with splinter protection foil or any similar products get in touch with our application engineering department. The product is not suitable for natural stone.

Protection at work and health protection

Avoid swallowing the product and avoid any prolonged or repeated skin contact. Keep out of the reach of children.

Safety advice

Consult our current EC-safety data sheet. Our data sheets can be downloaded from our website www.ramsauer.at at any time. Follow the instructions on the label.

Liability for defects

The information provided including but not limited to the proposals for processing and using our products are based on our knowledge and experience, usually at the time of going into print. The results of work may deviate from this information depending on the specific circumstances, in particular with respect to substrates, processing and environmental conditions. Therefore, neither this information nor any oral counselling shall constitute warranty or give rise to any liability on whatever legal ground for any specific result of work, unless we acted intentionally or by gross negligence. Ramsauer warrants that its products will have the technical characteristics according to the Technical Data Sheets up to their expiry date. Product users must consult the latest data sheet which is available upon request. Our current General Terms and Conditions apply which are available for download on our website www.ramsauer.at at any time.