



RAMSAUER®
DICHTSTOFFE

600 SILIKON KLEBER (Silicone adhesive)

Industrial adhesive on a silicone basis - pure amine

A) Uncured compound:

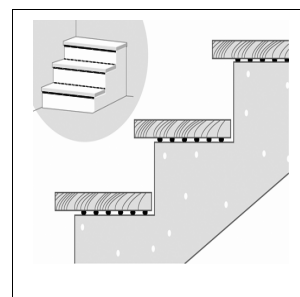
- Density: 1.35 g/cm³ (DIN 53479/B)
- Consistency: sag-resistant (DIN 52454)
- Skin over time +23°C/50% relative humidity: approx. 20 min.
- Shrinkage during curing: approx. 4 % (DIN 52451)

B) Cured: Measured on 2mm stretch foil after 14 days storage at room temperature

- Tensile strength: approx. 1.4 N/mm² (DIN 53504-S3A)
- Elongation at tear: approx. 700 % (DIN 53504-S3A)
- Tensile stress 100%-elongation: approx. 0.28 N/mm² (DIN 53504-S3A)
- Tear strength: approx. 8 N/mm (ASTM D624 Form B)
- Shore A-hardness: approx. 18 (DIN 53505)
- Temperature resistance: -40°C to +150°C (short time: +180°C)
- Ease of decontamination tested to DIN 25415-1

C) Adhesion and elongation behaviour: measured in the DIN-testing solid according to DIN 52455 (A1)

- 25%-elongation: 0.09 N/mm²
- 50%-elongation: 0.13 N/mm²
- 100%-elongation: 0.18 N/mm²
- 150%-elongation: 0.21 N/mm²
- Cohesion failure at 600% and 0.67 N/mm²
- Packaging: 310ml cartridges, 20 units per cardboard box
- Colour: grey
- Storage life: 12 months in a cool and dry place.



Characteristics

Ramsauer 600 SILIKON KLEBER is a quickly curing silicone rubber for gluing wood materials, tiles, glass, ceramics, metals, concrete, etc. 600 SILIKON KLEBER is sound absorbing, UV-, frost- and heat resistant.

Application

Ramsauer 600 SILIKON KLEBER is perfectly suitable for:

- gluing stair cladding onto stone or concrete
- fastening door cladding and wainscoting elements

Thanks to the special curing system there is no discoloration of the product on brass, copper or other metals. Therefore it is perfectly suitable for the construction of metal and aluminium structures and façade construction.

Processing

Substrates must be dry and free from grease and dust. Ramsauer 600 SILIKON KLEBER should be applied in points or stripes. To support the gluing process it is recommended to secure the parts to be glued for approx. 12 hours.

Primers

For highly absorbent substrates, e.g. porous concrete, brickwork, etc.: PRIMER 70.



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For plastics: PRIMER 100.

Protection at work and health protection

Avoid swallowing the product and avoid any prolonged or repeated skin contact. Use only in well ventilated rooms. Keep out of the reach of children. Ask for our Safety Data Sheet!

Limitations of application

A minimum cross-section of sealant of 5 mm is imperative. Not compatible with nitrocellulose and PU paint systems. Before using the product on coated substrates it is imperative to conduct proper tests. In case of areas covered with white lacquer/enamel coats the adhesive must have sufficient access of air for curing (yellow discoloration of the lacquer/enamel surface is possible). When gluing natural stone contamination of edges may occur - use our special product "440 NATURSTEIN" (Natural Stone) for this purpose. Not suitable for gluing mirrors nor for the construction of aquariums and terrariums. Before using the sealant the user must make sure that it is compatible with all building materials and substances with which it will get in contact. With respect to any building materials which will be used subsequently close to the adhesive/sealant it is imperative to make sure in advance that their ingredients and/or cleavage products will not affect or modify the sealant.

Advice for application

Ensure sufficient ventilation during processing and curing. In view of the large number of factors which may affect processing and application the user must always try the specific application in an experiment before using the product. Take into account the expiry date of the product. 1-component silicone sealants are not suitable for gluing full areas. The curing time increases with the thickness of the layer. Before using the 1-component silicone sealant in layers with a thickness of more than 15 mm get in touch with our application engineering department. Storage and/or transportation of products at increased temperature/air humidity for a prolonged period of time (several weeks) may result in a reduction of storage life and/or changes of characteristics of the product.

Priming table

Glass	+
Tiles	+
Pinewood	-
Concrete, wet ground	RP 70
Concrete, smooth according to formwork	RP 70
Steel DC 04	+
Hot dip galvanised steel	+
High grade steel	RP 140
Zinc	+
Aluminium	+
Aluminium AlMg1	+
Aluminium AlCuMg1	+
Aluminium 6016	+
Aluminium anodised	+
Brass MS 63 Hardness F 37	-
Rigid PVC Kömadur ES	RP 100
PVC plasticised	+
PC Makrolon Makroform 099	-
Polyacryl PMMA XT 20070 Röhm	RP 100
Polystyrene PS Iroplast	+
ABS Metzoplast ABS 7 H	+



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PET	+
PU cut-back quality	+
Copper	-
Polycarbonate	-
PMMA Röhm sanitary quality	-
Mirrors	-
Natural stone	-

Legend: + = adheres well without a primer
- = not suitable
WP/RP = Ramsauer primer

This table is based on adhesion tests with test solids of Rocholl corporation under laboratory conditions. Under field conditions the adhesion characteristics are dependent on a variety of external factors (weather, impurities, burdens, etc.). Therefore this table serves for guidance only and does not constitute any binding statement. For more information get in touch with our application engineering department.

Safety advice

Refer to our current EC Data Sheet. Data sheets are available at any time on our website **www.ramsauer.at**.

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.