



RAMSAUER®
DICHTSTOFFE

400 ACRYLGLAS

Permanently elastic, odourless one-component sealant

In accordance with DIN 18545, Part 2 Group E. **Tested for compatibility with plexiglass by DEGUSSA AG.**

- Basis: neutrally cross-linking alkoxy system
- Shore hardness: approx. 23 (DIN 53505)
- E-modulus 100%: 0.3 N/mm² (DIN 53504 S –1)
- Elastic recovery (100% elongation): 98%
- Elongation at tear: 520 % (DIN 53504)
- Movement capability: approx. 25%
- Density: approx. 1.03 g/cm³
- Temperature resistance: - 40°C to + 150°C
- Processing temperature: +5°C to + 35°C
- Skin-over time: 30 minutes (23°C, 50 % relative humidity)
- Storage life: 9 months in a cool and dry place
- Colour: milky
- Packaging: 310ml cartridges

Characteristics

Special sealant for PVC windows, plexiglass and webbed panels. 400 ACRYLGLAS is a silicone rubber specifically designed for use on smooth and non-absorbent surfaces such as glass and aluminium, in particular for webbed panels in greenhouses, glass domes and winter gardens.

Suitable for sealing single panes and insulating glass, as well as wainscoting elements in frames of wood, aluminium, steel, and rigid PVC, and for sealing U-section glazing, as well as for sealing expansion joints and butt joints in aluminium facade construction.

400 ACRYLGLAS is characterised by excellent weather-, ageing-, and UV-resistance.

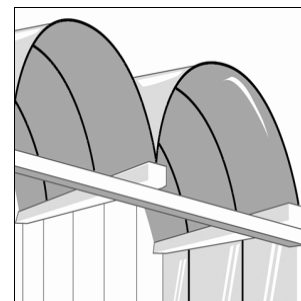
After curing 400 ACRYLGLAS is odourless and inert.

Processing

Preparation of adherent surfaces: The adherent surfaces must be solid, dry, and free from dust, grease, and oil. Prime adherent surfaces carefully if required. Not suitable for tarry or bituminous substrates

Joint design: In case of joints accommodating movement the joint dimensions must be chosen according to the maximum allowed distortion. A minimum joint cross section of 3x5 mm is imperative. Use a suitable closed-cell section on a PE-basis for backfilling.

Introducing the sealant: 400 ACRYLGLAS must be introduced into the joint evenly and without bubbles while the product is within the processing temperature range. In case of absorbent substrates use our Primer 70. Use Primer 140 for copper, lead, and galvanised metals. When priming the substrate take into account the open time of the primer and the instructions for application. Ensure good adhesion to the joint edges by applying pressure during finishing work. When using a smoother remove any strips of water immediately after sealing. If cleaning is delayed permanent streaks may remain.





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Limitations of application

When applying a primer to improve adhesion make sure that it does not get in contact with tempered glass or plastics! This would cause hairline cracks which may eventually lead to failure of the affected piece. Before sealing joints subject to high chemical or mechanical stress get in touch with our application engineering department. The product is not suitable for gluing aquariums and sealing joints in permanently wet areas. Not suitable for natural stone. Avoid contact with materials containing plasticisers or bitumen, such as EPDM, butyl, insulating paints, and bituminous coating materials for sealing basements or swimming pools.

Protection at work and health protection

Avoid swallowing the product, and any prolonged or repeated contact with skin. Keep out of the reach of children. Ensure sufficient ventilation during processing and curing. For more information refer to the current EC Safety Data Sheet, available on our website www.ramsauer.at or upon request.

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	+
Concrete, smooth according to formwork	+
Steel DC 04	+
Hot dip galvanised steel	+
High grade steel	+
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	WP 40
Polyacryl PMMA XT 20070 Röhm	+
Polystyrene PS Iroplast	RP 100
ABS Metzoplast ABS 7 H	RP 100
PET	+
PU cut-back quality	+
Copper	+
Polycarbonate	+
PMMA Röhm sanitary quality	+



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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.