

400 ACRYLGLAS

Neutrally cross-linking 1-component silicone sealant



TESTS, COMPLIANCE WITH STANDARDS

Tests for formation of stress cracks in PLEXIGLAS® products

Meets the French VOC-requirements for class A+

TECHNICAL DATA

Basis: neutrally cross-linking alkoxy system
Skin over time: ~ 20 min. (23°C/50 % relative humidity)
Curing depth: ~ 4.6 mm/24 hours (at +23°C / 50 % relative humidity)
Density: ~ 1.03 (EN ISO 1183-1)
Shore hardness: ~ 30 (EN ISO 868)
Shrinkage: ~ 4.5% (EN ISO 10563)
Sag resistance: <3
Tear strength: ~ 5.46 N/mm (ISO 34-1)
Stress at break: ~ 0.83 N/mm² (EN ISO 8339)
Modulus: ~ 0.48 N/mm² (EN ISO 8339)
Elongation at break: ~ 276% (EN ISO 8339)
Temperature resistance: - 40°C to + 150°C
Processing temperature (substrate, environment): +5°C to + 35°C
Storage life of cartridges and foil bags: 8 months in a cool and dry place
Storage life of 20-l-hobbocks and 200-l-drums: 6 months in a cool and dry place
Colour: milky
Packaging: 310ml cartridge, alternative packaging upon request

CHARACTERISTICS

400 ACRYLGLAS is characterised by very high weather, ageing and UV-resistance. This neutrally cross-linking sealant is non corrosive. 400 ACRYLGLAS is odourless and inert once it has cured.

APPLICATION

This is a special sealant for PVC-windows, Plexiglas® and twin wall sheets. 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 (the joint cross section must be in accordance with the applicable standards), as well as for sealing expansion joints and butt joints in aluminium facade construction. Before using the product with laminated safety glass and/or insulating glass units consult our application engineering department.

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. The product is 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.

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 or 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.

SAFETY ADVICE

Consult the current EC Safety Data Sheet which is available at any time on our website at www.ramsauer.at.

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. Consult the Safety Data Sheet.

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 full surface bonding. 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 / RP 105
PVC plasticised	+
PC Makrolon Makroform 099	RP 40
Polyacrylic PMMA XT 20070 Röhm	+
Polystyrene PS Iroplast	RP 100 / RP 105
ABS Metzoplast ABS 7 H	RP 100 / RP 105
PET	+
PU blend quality	+
Copper	+
Polycarbonate	+
PMMA Röhm sanitary quality	+
Mirrors	-
Natural stone	-

Legend: + = adheres well without a primer

- = not suitable
- 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.

LIABILITY FOR DEFECTS

The information provided including but not limited to the proposals for processing and using our products is 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.



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