



RAMSAUER®
DICHTSTOFFE

130 ALKOXY

Tested to DIN 18545 Part 2 Group E and DIN EN ISO 11600 Class G 25 LM, in accordance with DIN 18540 Part 1, suitable for application in clean rooms, contains fungicidal agents. Tested for EMICODE EC1-R "very low emission".

- Basis: neutrally cross-linking alkoxy system
- Shore hardness: approx. 30 (A DIN 53505)
- E-modulus 100%: 0.23 N/mm²
- Tensile strength: 0.4 N/mm² (ISO 8339)
- Elongation at break: 400% (DIN 53504)
- Movement capability: approx. 25%
- Density approx. 1.024 g/cm³
- Temperature resistance: - 40°C to + 160°C
- Processing temperature: +5°C to + 35°C
- Skin over time: 30 minutes (23°C / 50 % relative humidity)
- Storage life: 12 months, in a cool and dry place
- Colours: according to current colour chart
- Packaging: 310ml-cartridges, 400ml- and 600ml-foil bags

Characteristics

130 ALKOXY is a silicone rubber particularly compatible with a wide variety of lasur-type paint systems. However, in view of the high number of paint systems it is not possible to make any general statements and users must conduct their own tests. 130 ALKOXY is characterised by excellent adhesion to water-soluble paint systems without primer. The material is highly abrasion-proof and does not leave any streaks. 130 ALKOXY is non-corrosive, UV- and weather resistant. Highly compatible with foils of laminated safety glass (PVB). Prior to any use with cast resins consult our application engineering department.

Application

130 ALKOXY is suitable for sealing single panes and insulating glass (even laminated safety glass) in wood and metal frames, as well as for sealing frame structures, automotive industry, building of ships and boats, iron structures, tanks and construction of containers. It can also be used as clean room silicone. Suitable for sealing connection joints, for external mirror joints with tiles, metal, glass, etc.

Primers

Absorbent substrates (concrete, brickwork, wood with lasur coat): PRIMER 70
Powder-coated substrates : PRIMER 140

Take into account the open time of the primer, instructions for application and the technical data sheet of the PRIMER used. Data sheets are available upon request.

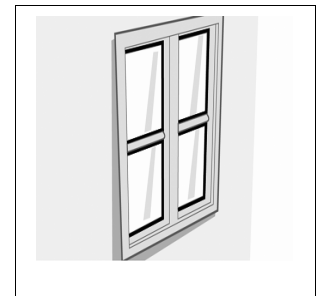
Processing

Before using the product make sure that all building materials in the contact zone are compatible with the sealant.

Preparation of adherent surfaces: The adherent surfaces must be solid, dry, and free from dust, oil, and grease. Prime adherent surfaces carefully if required.

The product is not suitable for tarry and 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





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cross section of 3x5 mm is imperative. For backfilling use a suitable closed-cell section on a PE-basis.

Introducing the sealant: 130 ALKOXY must be introduced into the joint evenly and without bubbles while the product is within the processing temperature range. When priming the substrate take into account the open time of the primer. Ensure good adhesion to the adherent surfaces/joint edges during the finishing work (smoothing with Ramsauer smoother). When using a smoother remove any strips of water immediately after sealing. If cleaning is delayed permanent streaks may remain.

130 ALKOXY is physiologically safe and inert when cured.

Limitations of application

Attention: Combination with some paint systems (e.g. linseed oil varnish, stand oil varnish) may result in discolouration of the sealant. Heavy exposure to tobacco smoke or environmental factors may cause discolouration. 130 ALKOXY is not suitable for sealing natural stone joints, not suitable for the construction of aquariums, nor for drinking water systems. Avoid contact with materials containing bitumen or plasticisers. Joints with PVB-foils will be chemically resistant only with a perfect joint between the inserted PVB-foil and glass. Since PVB-foils are sensitive to water the edge of the safety glass pane must be made accurately in order to protect the PVB-foil from the penetration of water.

Protection at work and health protection

Avoid swallowing and prolonged or repeated skin contact. Keep out of the reach of children. Ask for our safety data sheet!

Safety advice

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

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	+



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Aluminium 6016	+
Aluminium anodised	+
Brass MS 63 Hardness F 37	-
Rigid PVC Kömadur ES	-
PVC plasticised	RP 100
PC Makrolon Makroform 099	-
Polyacryl PMMA XT 20070 Röhm	WP 40
Polystyrene PS Iroplast	WP 40
ABS Metzoplast ABS 7 H	WP 40
PET	+
PU cut-back quality	+
Copper	-
Polycarbonate	WP 40
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.

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.