

130 ALKOXY



RAMSAUER®
DICHTSTOFFE

Neutrally cross-linking 1-component silicone sealant

TESTS, COMPLIANCE WITH STANDARDS

DIN EN 15651-1 F25LM Ext.-Int.

DIN EN 15651-2 G25LM

DIN EN 15651-4 PW12,5E Ext.-Int.

DIN 18545-2 Group E

DIN EN ISO 11600 G25LM

Ecode EC1-PLUS R "very low emission"

Tested for application with foodstuffs

Suitable for application in clean rooms

Meets the French VOC-requirements for class A+

TECHNICAL DATA

Basis: Neutrally cross-linking alkoxy system

Skin-over time: ~ 35 min. (23°C/50 % relative humidity)

Curing time: ~3 mm/24 hours (at +23°C / 50 relative humidity)

Density: ~ 1.02 (EN ISO 1183-1)

Shore hardness: ~ 36 (EN ISO 868)

Shrinkage: ~ 4% (EN ISO 10563)

Sag resistance: <3

Tear strength: ~ 5.3 N/mm (ISO 34-1)

Stress at break: ~ 0.53 N/mm² (EN ISO 8339)

Modulus: ~ 0.36 N/mm² (EN ISO 8339)

Shear strength: ~ 1,03 N/mm² (DIN 52455-3)

Elongation at break: ~ 135% (EN ISO 8339)

Temperature resistance: - 40° C to + 150° C

Processing temperature (substrate, environment): +5° C to + 35° C

Movement capability: 25%

Storage life of cartridges and foil bags: 8 months in a cool and dry place

Storage life of 20l-hoblocks and 200l-drums: 6 months in a cool and dry place

Colours: according to current colour chart. Even in mat colours.

Packaging: 310ml-cartridges, 400ml- and 600ml-foil bags; alternative packaging upon request.



CHARACTERISTICS

130 ALKOXY is a silicone rubber particularly compatible with a wide variety of lasur-type paint systems. The product is characterised by excellent adhesion to water-soluble paint systems without a primer. The material is highly abrasion-resistant and has been tested for abrasion resistance. 130

ALKOXY is non-corrosive and highly UV- and weather resistant. Highly compatible with foils of laminated safety glass (PVB). Before using the product with cast resins consult our application engineering department. The product does not contain any fungicidal agents.

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, suitable for the 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.

MEETS THE REQUIREMENTS OF IVD-INSTRUCTION SHEETS

As of the date of publication the instruction sheets mentioned below are available in German only

No. 1: Sealing of floor joints with elastic sealants

No. 9: Sprayable sealants in connection joints for windows and outside doors

No.10: Sealing of glass in wooden window frames by means of sprayable sealants. Sealants for multilayer insulating glass and self-cleaning glass



RAMSAUER®

DICHTSTOFFE

- No. 13 Sealing of glass in combined wooden-metal window frames by means of sealants
- No.19-1: Sealing of joints and connections in roofs. Range of applications of sprayable sealants, installation adhesives, butyl sealing tapes, and -sections
- No. 20: Sealing of joints in wood components and wood-based materials. Range of applications of sprayable sealants
- No. 22: Connection joints in steel and aluminium facade construction, as well as glass construction. Range of applications of sprayable sealants
- No. 24: Sealing of joints in the construction of winter gardens by means of sprayable sealants, pre-compressed sealing tapes, and installation adhesives
- No. 25: Sealing of joints and connections for plumbers
- No. 27: Sealing of connection joints and expansion joints in facades by means of sprayable sealants
- No. 28: Renovation of defective joint seals in facades

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 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. In view of the high number of paint systems available we recommend testing for compatibility before application. 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, or for drinking water systems. Avoid contact with materials containing bitumen or plasticisers. Joints with PVB-foils will be chemically resistant only with a perfect connection 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.

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 and prolonged or repeated skin contact. Keep out of the reach of children. Consult our 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	+
Pine wood	+
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	-
Polyacryl PMMA XT 20070 Röhm	RP 40
Polystyrene PS Iroplast	RP 100 / RP 105
ABS Metzoplast ABS 7 H	+
PET	RP 100 / RP 105
PU blend quality	+
Copper	+
Polycarbonate	RP 40
PMMA Röhm sanitary quality	RP 40
Mirrors	+* (suitable for sealing joints)
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.



QUALITY YOU CAN RELY ON

Ramsauer GmbH & Co KG, 4822 Bad Goisern/Hallstätter See, Sarstein 17, Austria

Phone: +43 (0)6135 8205-0, Fax: +43 (0)6135 8323 - Email: office@ramsauer.at - Internet: www.ramsauer.at