



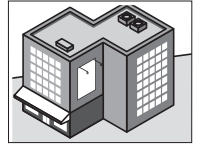
RAMSAUER®

LASTING BONDS.

135

Objektbau

1-component alkoxy-based sealant

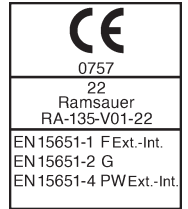


Technical data sheet

Version: 03-2024

Tests:

- DIN EN ISO 15651-1 F25LM Ext.-Int.
- DIN EN ISO 15651-2 G25LM
- DIN EN ISO 15651-4 PW12,5E Ext.-Int.
- Fulfils the French VOC requirement Class A+
- Emission EC1^{PLUS} "very low-emission"
- Listed on baubook



1. Mechanical Properties

Basis	Neutral cure alkoxy silicone sealant
Version	matt
Skin formation time	~ 17 Min. (23°C/50% relative humidity)
Full curing time	~ 2.9 mm/24 hours (at +23°C/50% relative humidity)
Density	~ 1.03 (EN ISO 1183-1)
Shore A hardness	~ 26 (DIN EN ISO 868)
Volume shrinkage	~ 3.5% (EN ISO 10563)
Tear propagation resistance	~ 6.5 N/mm (ISO 34-1)
Tensile stress at break	~ 0.64 N/mm ² (DIN EN ISO 8339)
Module	~ 0.45 N/mm ² (EN ISO 8339)
Elongation at break	~ 200% (DIN EN ISO 8339)
Resistance to high and low temperatures	-50°C to +150°C (long-term exposure)
Application temperature (substrate, environment)	Lower +5°C, upper +35°C
Admissible total deformation	25%
Colours	As per current colour card
Packaging	310 ml cartridge; other containers on request
Shelf life of cartridges and foil bags	12 months in original packaging in cool and dry storage conditions
Shelf life of industrial container	6 months, cool and dry in sealed original container

2. Properties

135 Objektbau is a specially developed sealant that meets the criteria for green building. Suitable for window sealants and perimeter joints in window, door and facility building work. Excellent adhesion on a wide range of water soluble paint-based glazes. The material is highly abrasion resistant and free of fungicidal agents. Very good resistance to UV and weathering. Compatible with laminated glass/PVB-films.



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135

Objektbau

3. Priming table

Key

+	Good adhesion without priming
-	No adhesion
Primer	Recommended primer

Glass	+
Tiles	+
Pine wood	+
Wet ground concrete	+
Concrete, formwork smoothness	+
Steel DC 04	Primer 40
Hot-dip galvanised steel	+
Stainless steel	+
Zinc	+
Aluminium	+
Aluminium AlMg1	Primer 40
Aluminium AlCuMg1	+
Aluminium 6016	Primer 40
Anodised aluminium	+
Brass MS 63 Hardness F 37	Primer 40
PVC Kömadur ES	+
PVC soft	+
PC Makrolon Makroform 099	+
Polyacrylic PMMA XT 20070 Röhm*1	Primer 40
Polystyrene PS Iroplast	Primer 100 / Primer 105
ABS Metzoplast ABS 7 H	+
PET	Primer 100 / Primer 105
PU waste quality	+
Copper	+
Polycarbonate	+
PMMA Röhm sanitary quality	Primer 40
Mirrors*2	+
Natural stone	-

This table is based on adhesion tests with Rocholl test specimens under laboratory conditions. In practice, the adhesive properties depend on a large number of external influences (weathering, contamination, loads, etc.). Therefore, this table is for guidance only and does not constitute a binding statement. For further information please contact our application engineering department. The tests carried out above only refer to the adhesive properties and have no significance in terms of compatibility with the stated substrates.

*1: Different PLEXIGLAS® types exhibit certain differences in their chemical resistance. Stresses must be expected in some applications. The resulting stresses, in combination with certain agents, can lead to "stress cracking". The duration, temperature and concentration of the acting substance have a fundamental influence on any "stress cracks". When using our products in combination with PLEXIGLAS®, the suitability must therefore be checked in advance.

*2: The compatibility with various mirror coatings by different manufacturers is regularly tested in our laboratory. Advance testing is recommended due to production processes of the various manufacturers, into which we have no insights, and as a function of the existing substrate and bonding variants.

4. Application

135 Objektbau is suitable for sealing single-pane and insulating glass in wooden, plastic and metal frames. Suitable for sealing floor joints as well as joints in plinth and wall areas. Absolutely odourless. The ideal choice for refurbishment joints in sensitive facilities such as schools, kindergartens, retirement homes or in the health and care sector. Suitable for mirror perimeter joints with ceramic tiles. Not suitable for natural stone!



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135

Objektbau

5. Meets the requirements of IVD instruction sheet

No. 1	Sealing of floor joints with elastic sealants
No. 9	Sprayable sealants in the perimeter joint for windows and exterior doors
No. 10	Sealing glazing on wooden windows with sprayable sealants. Sealants for multi-pane insulating glazing and self-cleaning glazing
No. 13	Sealing glazing on wooden/metal window constructions with sealants
No. 22	Perimeter joints in structural steel and aluminium facades and structural glazing. Possible applications of sprayable sealants
No. 27	Sealing of connection and expansion joints on the facade with sprayable sealants
No. 28	Renovation of defective joint sealing on the facade
No. 31	Refurbishment of joint seals in building construction
No. 35	Sealing and bonding in construction - Systems - Classification - Application

6. Processing

General instructions: Always note the expiry date of the material. Observe the ambient temperature and substrate temperature. **Pretreatment of the adhesion surfaces:** The adhesion surfaces must be load-bearing, dry, and free of dust, oil and grease. If required, carefully pretreat the adhesion surfaces using a suitable primer. **Joint design:** For motion compensating joints, the dimensions must be designed to absorb the maximum motion expected. A minimum cross-section of 3x5 mm must be adhered to for the joint. The joint design must comply with the applicable standards and regulations. **Application of the sealant:** Working within the application temperature limits, the product must be applied uniformly to the joint avoiding inclusions. If the substrate is pretreated with primer, its flash-off time must be observed. The tooling work must be completed within the stated skin formation time. When reworking, good contact with the adhesive surfaces/joint edges must be ensured (use Ramsauer tooling agent). When using tooling agents, any water streaks that have formed must be removed immediately after sealing, as visual flaws can otherwise be expected.

7. Application restrictions

Caution: Discolouration of the sealant can occur in combination with some coating systems (e.g. linseed oil varnish, stand oil varnish). Due to the large number of different coating systems, we recommend checking compatibility in advance. Heavy exposure to tobacco smoke or environmental influences can lead to discolouration. The product is not suitable for grouting natural stone. Avoid contact with materials containing bitumen and plasticisers. In applications with insulating glazing, compatibility with the edge sealant system must be checked in advance.



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135

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8. Safety instructions

Please refer to the current EC safety data sheets. Data sheets are available at any time from our website at www.ramsauer.eu.

9. Application notes

Good ventilation must be ensured during processing and curing. Due to the large number of possible influences during processing and application, the processor must always carry out a test processing before use. Note the expiry date of the material. 1-component silicones are not suitable for full-surface bonding. The curing time increases with increasing coating thickness. If a joint depth of more than 15mm is planned, we recommend our 2-component systems. If the products are stored and/or transported over a longer period of time at higher temperatures/humidity, the shelf life may be reduced or the material properties may change.

10. Liability for defects

The information, in particular the suggestions for the processing and use of our products, is based on our knowledge and experience in normal use cases at the time of printing. Depending on the specific circumstances, in particular with regard to substrates, processing and environmental conditions, the results may differ from this information. Therefore the guarantee of a work result or a liability, for whatever legal reasons, can be justified neither from these references, nor from a verbal consultation, unless we are guilty of intent or gross negligence in this respect. Ramsauer guarantees that its products comply with the technical properties specified in the technical data sheets until the expiry date.

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