



**RAMSAUER®**  
**DICHTSTOFFE**

# 131 MULTIFLEX

Tested to DIN 18545 Part 2 Group E and DIN EN ISO 11600 – G 25 LM;  
tested to EMICODE EC1-R “very low emission”.

- Basis: neutrally cross-linking alkoxy system
- Shore A: 20 (ISO 868)
- Density: 1.02 g/cm<sup>3</sup> (ISO 1183 Method B)
- Skin over time: approx. 10 min. (23°C/55 % relative humidity)
- Elastic recovery 91 % (DIN EN ISO 7389)
- Curing: ~ 3mm after 24 hours (23°C / 50 % relative humidity)
- Viscosity: 102 Pa.sec
- Tensile strength: 0.4 N/mm<sup>2</sup> (ISO 8339)
- E-modulus  $\sigma_{100}$ : 0.28 N/mm<sup>2</sup> (ISO 8339)
- Tear strength: 4.30 N/mm (ISO 34 Method C)
- Elongation at break: 200 % (ISO 8339)
- Movement capability: approx. 25%
- Processing temperature: +5°C to + 35°C
- Packaging: 310ml-cartridges, 600ml foil bags
- Colours: transparent, white, black
- Storage life: 12 months in a cool and dry place

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## Characteristics

131 MULTIFLEX is a one component silicone sealant ready for use which has been developed especially for windows and doors. The material is UV-, weather- and ageing resistant. Excellent adhesion to glass, many metallic substrates and a wide variety of plastics even without a primer.

131 MULTIFLEX is physiologically safe and inert when cured.

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## Application

131 MULTIFLEX is suitable for sealing single panes and insulating glass (even laminated safety glass) in wood, metal, and plastic frames. 131 MULTIFLEX is highly compatible with foils of laminated safety glass (PVB). Before using the product with cast resins consult our application engineering department. Also suitable for connection joints.

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## Primers

Absorbent substrates (concrete, brickwork, wood with lasur coat): PRIMER 70

Plastics: PRIMER 100

Powder-coated substrates : ask our application engineering department.

When using a primer take into account the open time !

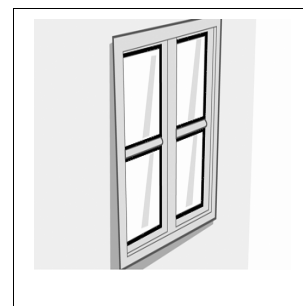
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## Processing

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.

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.





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Introducing the sealant: 131 MULTIFLEX 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.

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#### **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. In view of the variety of types of lasur on the market it is necessary for the user to conduct adhesion tests. 131 MULTIFLEX 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. Take into account the expiry date of the product. 1-component silicones are not suitable for gluing full areas. The curing time increases with the thickness of the layer. Before using 1-component silicone in layers of more than 15 mm get in touch with our application engineers. 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.

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#### **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](http://www.ramsauer.at) or upon request.

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#### **Advice for application**

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. 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.

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#### **Priming table**

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##### **Substrate**

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	+
Plasticised PVC	+



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PC Makrolon Makroform 099	WP 40
Polyacryl PMMA XT 20070 Röhm	WP 40
Polystyrene PS Iroplast	RP 100
ABS Metzoplast ABS 7 H	RP 100
PET	+
PU cut-back quality	+
Copper	+
Polycarbonate	WP 40
PMMA Röhm Sanitary quality	WP 40
Mirrors	+
Natural stone	-

**Legend:** + = adheres well without 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 properties 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](http://www.ramsauer.at).