

# 125 HANDWERK



**RAMSAUER®**  
**DICHTSTOFFE**

**(Handicraft)**

**Neutral 1-component silicone sealant**

## TESTS, COMPLIANCE WITH STANDARDS

**DIN EN 15651-1 F25LM Ext.-Int.**

**DIN EN 15651-2 G25LM**

**DIN EN 15651-3 XS1**

**DIN EN 15651-4 PW20LM Ext.-Int.**

**EMICODE EC1-PLUS "very low emission"**

**Tested for application in the food industry**

**Meets the French VOC-requirements for class A+**

**Tested and assessed for formation of streaks and abrasion of glazing sealants**

**Certification of compliance for the food industry**

## TECHNICAL DATA

Basis: Neutrally cross-linking oxime system; Meko-free

Skin over time: ~10 min. (23°C/50 % relative humidity)

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

Density transparent: ~ 1.02 (EN ISO 1183-1), coloured: ~ 1.23

Shore hardness: ~ 34 (EN ISO 868)

Shrinkage: ~ 3% (EN ISO 10563)

Sag resistance: <3

Tear strength: ~ 5.53 N/mm (ISO 34-1)

Stress at break: ~ 0.50 N/mm<sup>2</sup> (EN ISO 8339)

Modulus: ~ 0.38 N/mm<sup>2</sup> (EN ISO 8339)

Elongation at break: ~ 108% (EN ISO 8339)

Temperature resistance: - 50°C to +150°C

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

Movement capability: 25%

Not suitable for being covered with paint coats

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

Colours: according to current colour chart

Packaging: 310ml cartridges, 400ml and 600ml foil bags



## CHARACTERISTICS

125 HANDWERK is a neutrally cross-linking, permanently elastic silicone sealant with non-corrosive properties. The sealant is UV-resistant, contains fungicidal agents, and is

highly weather and ageing resistant. Once it has cured, 125 HANDWERK is physiologically safe and inert.

## APPLICATION

125 HANDWERK is suitable for sealing single panes and insulating glass (Before using the product with insulating glass make sure that it is compatible with the edge sealant of the insulating glass). Before using it with laminated safety glass

units consult our application engineering department. Thanks to its excellent abrasion resistance this sealant can also be used for sanitary facilities.

## MEETS THE REQUIREMENTS OF IVD-INSTRUCTION SHEETS

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

No. 1: Abdichtung von Bodenfugen mit elastischen Dichtstoffen (Sealing of floor joints with elastic sealants)

No. 9: Spritzbare Dichtstoffe in der Anschlussfuge für Fenster und Außentüren (Sprayable sealants in connection joints for windows and outside doors)

No.10: Glasabdichtung am Holzfenster mit spritzbaren Dichtstoffen. Dichtstoffe für Mehrscheiben-Isolierglas und selbstreinigendes Glas (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 Glasabdichtung an Holz-Metall-Fensterkonstruktionen mit Dichtstoffen (Sealing of glass in combined wooden-metal window frames by means of sealants)
- No.20: Fugenabdichtung an Holzbauteilen und Holzwerkstoffen. Einsatzmöglichkeiten von spritzbaren Dichtstoffen (Sealing of joints in wood components and wood-based materials. Range of applications of sprayable sealants)
- No.22: Anschlussfugen im Stahl- und Aluminium-Fassadenbau sowie konstruktiven Glasbau.Einsatzmöglichkeiten von spritzbaren Dichtstoffen (Connection joints in steel and aluminium facade construction, as well as glass construction. Range of applications of sprayable sealants)
- No.27: Abdichten von Anschluss-und Bewegungsfugen an der Fassade mit spritzbaren Dichtstoffen (Sealing of connection joints and expansion joints in facades by means of sprayable sealants)

### 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: 125 HANDWERK 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. Before using the product with insulating glass it is imperative to carry out tests for compatibility with the edge sealing system.

### LIMITATIONS OF APPLICATION

It is imperative to make adhesion tests before applying 125 HANDWERK to any substrate previously treated with water dilutable paint systems (surface primer). In case of poor adhesion the substrate must be primed. In case of window surfaces covered with a bright paint coat the window leaves should be stored in an upright position at a minimum distance of 5 cm after sealing in order to ensure ventilation to remove cleavage products (danger of discolouration). When using 125 HANDWERK in rooms where dispersion paints are applied it must be ensured that the paint has cured completely since volatile components of the curing paint may cause discolouration (yellowish) of the surface of the sealant. Using the product together with some paint systems (e.g. linseed oil varnish, stand oil varnish) may also result in discolouration. Heavy exposure to tobacco smoke or environmental factors

may cause discolouration of the sealant. The product is not suitable for gluing mirrors. When using this sealant for sanitary facilities infestation of mould fungus cannot be ruled out. Use our product ACRYLGLAS 400 for sealing extruded polyacrylates and moulded Makrolon® components (to avoid stress cracks). The product is not suitable for drinking water systems. For sealing or gluing aquariums use our sealant "Aquarium 410". Avoid any direct contact with bituminous materials or materials releasing 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.

### SAFETY ADVICE

Consult the current EC Safety Data Sheet which is available at any time on our website at [www.ramsauer.at](http://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. This sealant is 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

	Coloured	Transparent
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	+	+
PVC plasticised	-	RP 100 / RP 105
PC Makrolon Makroform 099	+	+
Polyacrylic PMMA XT 20070 Röhm	-	-
Polystyrene PS Iroplast	-	-
ABS Metzoplast ABS 7 H	+	-
PET	+	+
PU blend quality	+	+
Copper	+	+
Polycarbonate	-	+
PMMA Röhm sanitary quality	-	RP 100 / RP 105
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](http://www.ramsauer.at).



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**DICHTSTOFFE**



**QUALITY YOU CAN RELY ON**

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