



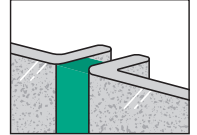
**RAMSAUER®**

# 110

**LASTING BONDS.**

# Acetat

**1-component acetic cure silicone sealant**

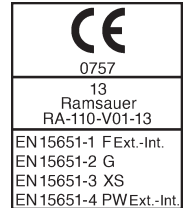


## Technical data sheet

Version: 03-2024

### Tests:

- DIN EN ISO 15651-1 F25LM Ext.-Int.
- DIN EN ISO 15651-2 G25LM
- DIN EN ISO 15651-3 XS1
- DIN EN ISO 15651-4 PW20LM Ext.-Int.
- Fulfills the French VOC requirement Class A+
- Emissioncode EC1<sup>PLUS</sup> „very low emissions“



## 1. Mechanical Properties

Basis	Acetic silicone sealant
Skin formation time	~ 4 Min. (23°C/50% relative humidity)
Full curing time	~2 mm/24 hours (at +23°C/50% relative humidity)
Density	~ 1.03 (EN ISO 1183-1)
Shore A hardness	~ 16 (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	~ 0.66 N/mm <sup>2</sup> (DIN EN ISO 8339)
Module	~ 0.46 N/mm <sup>2</sup> (EN ISO 8339)
Elongation at break	~ 220% (DIN EN ISO 8339)
Resistance to high and low temperatures	- 50°C bis +180°C (long-term stress)
Application temperature (substrate, environment)	Lower + 5°C, upper + 35°C
Admissible total deformation	25%
Colours	As per current colour card
Packaging	310ml cartridge; 400 & 600ml foil bag; industrial container 20-l drum; 200-l drums
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

110 Acetat is a silicone rubber specially designed for processing on smooth, non-absorbent and non-porous surfaces such as glass, enamel, ceramics and aluminium without priming. 110 Acetat has fungicidal properties. Suitable for use in sanitary areas! UV and weathering resistant.



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Key

+	Good adhesion without primer
-	No adhesion
Primer	Recommended primer

### 3. Priming table

	Coloured
Glass	+
Tiles	+
Pine wood	Primer 70
Wet ground concrete	Primer 70
Concrete, formwork smoothness	Primer 70
Steel DC 04	Primer 140
Hot-dip galvanised steel	+
Stainless steel	+
Zinc	Primer 140
Aluminium	+
Aluminium AlMg1	+
Aluminium AlCuMg1	+
Aluminium 6016	+
Anodised aluminium	+
Brass MS 63 Hardness F 37	+
PVC Kömadur ES	Primer 100 / Primer 105
PVC soft	Primer 100 / Primer 105
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	+
PU waste quality	+
Copper	-
Polycarbonate	-
PMMA Röhm sanitary quality	+
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

110 Acetat is suitable for sealing single glazing, insulating glazing and parapet elements in aluminium, high-grade steel and hard PVC frame construction and Profilit glazing, and for sealing expansion and butt joints in structural aluminium facades. For applications with laminated safety glass and/or insulating glass units, please consult our application engineering department. Suitable for use in sanitary areas.



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### 5. Meets the requirements of IVD instruction sheet

No. 1	Sealing of floor joints with elastic sealants
No. 3-1	Construction and sealing of joints in sanitary and wet areas - Part 1: Sealing of sprayable sealants
No. 14	Sealants and mould infestation
No. 27	Sealing of connection and expansion joints on the facade with sprayable sealants

### 6. Processing

**General instructions:** The expiry date of the material must be observed, otherwise the stated mechanical properties of the product can no longer be guaranteed. Observe the ambient temperature and substrate temperature. **Pre-treatment of the adhesion surfaces:** the adhesion surfaces must be load-bearing, dry, and free of dust, grease, and oil. If required, carefully pre-treat 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 (using 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:** When used with metals, especially brass, copper, lead, zinc, etc., the acetic acid released during curing may cause corrosion. Before applying the product to substrates (surfaces) that have been pre-treated with water-soluble paint systems, it is important to carry out bonding tests. If the bond is poor, the substrate must be primed with a primer coat. A further bonding test is recommended. Not suitable for substrates with an alkaline reaction. Substrates containing tar and bitumen are unsuitable as adhesion substrates. Not suitable for bonding mirrors, natural stone, and aquarium and terrarium construction. Before using the sealant, the user must rule out incompatibilities with other building materials in the contact area. Please clarify in advance, for building materials that will subsequently be applied in the area of the sealant, that their ingredients or cleavage products of these materials cannot impair, or change the properties of, the sealant.

### 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](http://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 speed increases with increasing coating thickness. If you intend to use the 1-component silicone with a coat thicknesses of more than 15 mm, please contact our application engineering department. If the products are stored and/or transported over a longer period of time (several weeks) at higher temperatures/humidity, the shelf life may be reduced or the material properties may change. During application of the NIRO hue, the colour pigment used here can cause visual flaws, dark separating lines, etc., where two silicone layers overlap. This is not a reason for complaint, but a typical product property.

### 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. Product users must consult the latest technical data sheet, which can be requested from us. Our current General Terms and Conditions apply, which you can download at any time from our homepage at [www.ramsauer.eu](http://www.ramsauer.eu). On publication of a new version/revision of the technical data sheet, all previous versions of the respective product lose their validity.



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