



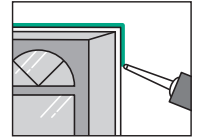
RAMSAUER®

162

LASTING BONDS.

Transparent Acryl

1-component acrylic emulsion sealant



SILICONE FREE

Technical data sheet

Version: 10-2023

Tests:

- Fulfils the French VOC requirement Class A+



1. Mechanical Properties

Basis	Acrylic sealant
Skin formation time	~ 5 Min. (23°C/50% relative humidity)
Full curing time	~1.5 mm/24 hours (at +23°C/50% relative humidity)
Density	~ 1.05 (EN ISO 1183-1)
Shore A hardness	~ 30 (DIN EN ISO 868)
Volume shrinkage	~ 35% (EN ISO 10563)
Tear propagation resistance	~ 6.01 N/mm (ISO 34-1)
Module	~ 0.40 N/mm ² (EN ISO 8339)
Elongation at break	~ 700% (DIN EN ISO 8339)
Resistance to high and low temperatures	-20°C to +80°C (long-term exposure)
Application temperature (substrate, environment)	Lower +5°C, upper +35°C
Colours	Whitish, transparent after curing
Packaging	310ml cartridge
Shelf life of cartridges and foil bags	12 months in original packaging in cool and dry storage conditions

2. Properties

162 Transparent Acryl is a ready-to-use plasto-elastic 1-component joint sealant and adhesive based on acrylate for concrete, aerated concrete, plaster, masonry, wood, etc. The material is very supple in processing and virtually odourless. Paint compatible according to DIN 52452. During application, the material is whitish on leaving the cartridge and only acquires its final colour after complete curing. The material is free from silicone and phthalates.



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3. Priming table

Key

+	Good adhesion without primer
-	No adhesion
Primer	Recommended primer

Glass	-
Tiles	-
Pine wood	+
Wet ground concrete	-
Concrete, formwork smoothness	+
Steel DC 04	+
Hot-dip galvanised steel	+
Stainless steel	-
Zinc	+
Aluminium	+
Aluminium AlMg1	+
Aluminium AlCuMg1	+
Aluminium 6016	+
Anodised aluminium	-
Brass MS 63 Hardness F 37	+
PVC Kömadur ES	-
PVC soft	+
PC Makrolon Makroform 099	+
Polyacrylic PMMA XT 20070 Röhm*1	-
Polystyrene PS Iroplast	+
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

162 Transparent Acryl is used wherever joints or connections have to be sealed with low tensile stress. Due to its "virtually transparent" curing, the material is also excellently suited for smaller adhesion bonding jobs.



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5. Meets the requirements of IVD instruction sheet

No. 12	Overpaintability of motion-compensating sealants in building construction. Requirements and impacts.
No. 16	Perimeter joints in dry construction. Possible applications of sprayable sealants
No. 20	Joint seal on wooden components and wood-based materials. Possible applications of sprayable sealants
No. 29	Jointing work in the painting and decorating trade

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. Correct joint dimensioning and pretreatment of the adhesion surfaces is essential for perfect sealing work. In order to achieve maximum adhesive strength, a load-bearing, clean, grease-free and structurally perfect substrate is required. 162 Transparent Acryl adheres to many substrates without primer – especially on absorbent substrates. Developed for interior applications. The sealant should be applied evenly to the joint after joint pretreatment using a manual or compressed air gun and smoothed with a suitable spreader before a skin forms. The fresh joint sealant must be protected against washing out, condensation and/or moisture.

7. Application restrictions

Caution: The product is not suitable for long-term water exposure. After complete drying, the sealant can be painted over in accordance with DIN 52452. Compatible with coatings with an aqueous basis in most cases. However, due to the large number of coating systems available on the market, we recommend testing the compatibility of the sealant and coating. Too early overpainting or expansion of the joint can lead to the coating cracking. Not for civil engineering, underwater grouting and sealing on silicate substrates, e.g., glass, enamel and ceramics. Not approved for accessible joints; joints not resistant to wheeled traffic. Avoid contact with materials containing bitumen and plasticisers. Not suitable for PP, PE, PMMA, PTFE, and Neoprene. Not approved for mirror joints.

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. Not suitable for full-surface bonding. The curing speed increases with increasing coating thickness. If the sealant is used in coating 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.



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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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