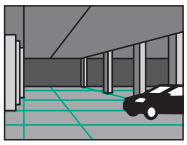
322 Pur Pro

1-component polyurethane sealant

RAMSAUER®

LASTING BONDS.



CE
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Ramsauer
RA-322-V01-14
EN 15651-1
F EXT- INT CC
EN 15651-4
PW EXT-INT CC

25 JAHRE QUALITÄT

Technical data sheet

Version: 04-2023

Tests:

· DIN EN 15651-1 F25HM
· DIN EN 15651-4 25HM
· RAL-RG 161-7, resistant to artificial slurry

1. Mechanical Properties

Basis	Polyurethane
Skin formation time	~ 70 Min. (23°C/50% relative humidity)
Full curing time	~3 mm/24 hours (at +23°C/50% relative humidity)
Density	~ 1.18 (EN ISO 1183-1)
Shore A hardness	~ 40 (DIN EN ISO 868)
Module	~ 0.4 N/mm² (EN ISO 8339)
Elongation at break	~ 600% (DIN EN ISO 8339)
Modulus of rupture	~ 1.4 N/mm² (DIN EN ISO 8339)
Resistance to high and low temperatures	-40°C to +80°C (long-term exposure)
Application temperature (substrate, environment)	Lower +5°C, upper +35°C
Admissible total deformation	25%
UV resistance	Good
Water and salt spray mist resistance	Excellent
Colours	Grey
Packaging	600 ml foil bag; other containers on request
Shelf life of cartridges and foil bags	12 months in original packaging in cool and dry storage conditions

2. Properties

322 Pur Pro is a 1-component polyurethane joint sealant. After curing, the sealant forms an elastic and resistant joint. 322 Pur Pro is characterised by its good adhesion to many building materials, such as wood, anodised aluminium, painted metal, polyester, concrete, etc., even without priming in advance.

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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	+
Hot-dip galvanised steel	+
Stainless steel	Primer 40
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	Primer 40
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

322 Pur Pro can be used to make joints between various materials in general industry and building work. Its flexibility also allows the creation of expansion joints.

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5. Meets the requirements of IVD instruction sheet

No. 1	Sealing of floor joints with elastic 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. Cleaning of the adhesive surfaces in advance with "828 Grund Reiniger" is recommended. Before creating the bond/joint, test the compatibility of the adhesive/sealant with all materials which come into contact with it (liquids, solids or gases). If the bond is poor, the use of a primer is recommended. **Application of the sealant:** After the joint has been pretreated in line with professional and standard requirements, the sealant is applied to the joint using a suitable applicator until the joint is fully saturated. Immediately after jointing, smooth the sealant with tooling agent and a smoothing tool. Contamination caused by smoothing must be removed immediately. Opened cartridges must be used up within 24 hours.

7. Application restrictions

Caution: If the bond is poor, the substrate must be primed with a primer coat. A further bonding test is recommended. Not suitable for contact surfaces containing tar and bitumen. 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 adhesive/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**.

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 sealants are not suitable for full-surface bonding. The curing speed increases with increasing coating thickness. If the 1-component material 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.

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**. 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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