



**RAMSAUER®**  
**DICHTSTOFFE**

# **320 BAUDICHT**

## **(Building sealant)**

Neutrally cross-linking, silicone-free 1-component hybrid sealant.

**Tested to DIN EN ISO 11600 – F – 25 LM**

**Tested to DIN EN ISO 12572**

**Tested for application in clean rooms and ventilation ducts**

**Tested to EMICODE EC1-R “very low emission“**

- Basis: Hybrid sealant – silane terminated polymer
- Shore-A-hardness: 25 +/- 5 (DIN 53505)
- Elastic recovery: >70 % (DIN 52458)
- Movement capability: approx. 25 %
- Temperature resistance: - 40°C to +90°C
- Density: 1.45 g/cm<sup>3</sup> (DIN 52451)
- Consistency: sag-resistant (DIN EN 27390)
- E-modulus  $\sigma_{100}$  : < 0.4 N/mm<sup>2</sup>
- Processing temperature: +5°C to +35°C
- Curing: 10 x 10 mm joint in ~5 days at +20°C, 50 % relative humidity
- Storage life: 12 months in original container in a cool and dry place
- Colours: white, pebble grey, mortar grey, light grey, medium grey, anthracite, bronze, black
- Packaging: 310ml cartridges, 400ml and 600ml foil bags, 20 units per cardboard box

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### **Characteristics**

320 BAUDICHT is odourless, cures almost without shrinkage, it is resistant to rain at an early stage of curing and absolutely weather resistant. 320 BAUDICHT is characterised by excellent adhesion almost any substrate common in the building trade (even moist substrates). 320 BAUDICHT is compatible with paint coats within the meaning of DIN 52452 Part 4. In view of the wide variety of varnishes and paints on the market we recommend to conduct preliminary experiments. Due to the elastic properties of the product this sealant should not be covered by paint coats over the entire area. The sealant should be chosen according to the intended paint coat if possible.

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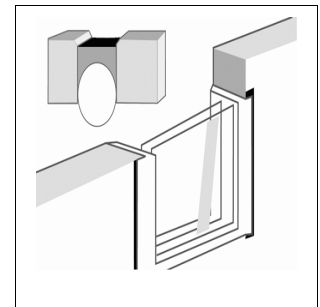
### **Application**

320 BAUDICHT is suitable for sealing joints in facades, panels, and breastwork, for sealing expansion joints and butt joints in prefabricated element concrete building, as well as for connection joints of window and door frames. Suitable for connection joints and movement joints both indoors and outdoors. Since this product is absolutely silicone-free it can be used for painting and powder coating facilities. 320 BAUDICHT is suitable for gluing Ramsauer connection tapes (“Anschlussbänder” 1093/1095).

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### **Processing**

Perfect sealing work can be achieved only when choosing the right joint dimensions according to DIN 18540 – ruling out any triangular joints - and after adequate preparation of adherent surfaces. Use a closed-cell PE material for backfilling. The pre-filling materials must be compatible with 320 BAUDICHT. Bituminous or tarry products or products containing oil are unsuitable. Adhesion to and compatibility with plastics must be tested specifically for each application. In order to achieve maximum adhesive strength the substrate must be solid, clean, free from grease and oil and structurally perfect. 320 BAUDICHT adheres





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to a wide variety of substrates without priming. However, it is generally recommended to conduct an adhesion test, and in case of poor adhesion it is imperative to apply a primer. After preparing the joints for sealing the sealant must be introduced evenly into the joint while applying pressure and ruling out the formation of air pockets. 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

320 BAUDICHT is not suitable for underwater joints in swimming pools and aquariums. Not suitable for sealing and gluing natural stone (contamination of edges). Before using the product with roofing membranes/foils get in touch with our application engineering department. Covering the sealant with alkyd resin paints may result in incompatibility (curing problems, sticky surface, colour changes, etc.). The product is not suitable for sealing glass grooves and not suitable for application in sanitary installation and in permanently wet areas. Avoid contact with bituminous materials and with materials releasing plasticisers such as butyl, EPDM, neoprene, insulating paints or bituminous coating materials for sealing basements, swimming pools etc.). Environmental factors (e.g. high temperatures, UV-exposure, effects of chemicals, and vapours etc.) may affect the colour of the product, however without affecting any of its other characteristics. Before preparing glue joints or other joints subject to UV-exposure and/or sealing glass get in touch with our application engineering department. Before applying the product the user must make sure that the building materials and other substances (no matter whether solid, liquid or gaseous) coming in contact with the sealant are compatible with the product. High temperatures of the substrate during processing may adversely affect the mechanical properties of the product.

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### Safety advice

Refer to our current EC Data Sheet. Data sheets are available at any time on our website [www.ramsauer.at](http://www.ramsauer.at).

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### 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. 1-component sealants are not suitable for gluing full areas. The curing time increases with the thickness of the layer. Before using the 1-component 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.

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### Priming table

Glass	+
Tiles	+
Pinewood	+
Concrete, wet ground	+
Concrete, smooth according to formwork	+
Steel DC 04	+
Hot dip galvanised steel	+
High grade steel	+
Zinc	RP 140 / WP 40
Aluminium	+



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Aluminium AlMg1	+
Aluminium AlCuMg1	+
Aluminium 6016	+
Aluminium anodised	+
Brass MS 63 Hardness F 37	+
Rigid PVC Kömadur ES	+
PVC plasticised	+
PC Makrolon Makroform 099	WP 40
Polyacryl PMMA XT 20070 Röhm	+
Polystyrene PS Iroplast	+
ABS Metzoplast ABS 7 H	+
PET	+
PU cut-back quality	+
Copper	RP 140 / WP 40
Polycarbonate	WP 40
PMMA Röhm sanitary quality	+
Mirrors	-
Natural stone	-

**Legend:** + = adheres well without a 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 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 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) at any time.