

# 320 BAUDICHT



**RAMSAUER®**  
**DICHTSTOFFE**

**(Sealant for the building industry)**

**1-component sealant on a hybrid basis**

## TESTS, COMPLIANCE WITH STANDARDS

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

**DIN EN 15651-4 PW25LM Int.**

**DIN EN ISO 846**

**DIN EN ISO 11600 F25LM**

**DIN EN ISO 12572**

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

**Tested for application with foodstuffs**

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

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

## TECHNICAL DATA

Basis: Hybrid sealant – silane terminated polymer

Skin over time: ~ 11 min. (23°C/50 % relative humidity)

Curing time: ~ 3.1 mm/24 hours (at +23°C/50 % relative humidity)

Density: ~ 1.47 (EN ISO 1183-1)

Shore hardness: ~ 38 (EN ISO 868)

Shrinkage: ~ 1.7% (EN ISO 10563)

Sag resistance: <3

Tear strength: ~ 8.04 N/mm (ISO 34-1)

Stress at break: ~ 0.65N/mm<sup>2</sup> (EN ISO 8339)

Modulus: ~ 0.4 N/mm<sup>2</sup> (EN ISO 8339)

Elongation at break: ~ 311% (EN ISO 8339)

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

Movement capability: 25%

Storage life of cartridges and foil bags: 12 months in a cool and dry place

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

Colours: according to current colour chart and catalogue.

Packaging: 310ml cartridges, 400ml and 600ml foil bags, 20 units of each in a cardboard box



## CHARACTERISTICS

320 BAUDICHT is silicone-free, 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 to almost any substrate common in the building industry (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.

## APPLICATION

320 BAUDICHT is suitable for sealing joints in facades, panels, and wainscoting elements, 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 expansion 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).

## MEETS THE REQUIREMENTS OF IVD-INSTRUCTION SHEETS

As of the date of publication only No. 12 and 16 are available in English, all other instruction sheets are available in German only.

No. 12: The paintability of movement accommodating sealants in building construction - requirements and implications

No. 16: Perimeter joints in dry construction. Applications of gun-grade sealants

No. 19-1: Sealing of joints and connections in roofs. Range of applications of sprayable sealants, installation adhesives, butyl sealing



- tapes, and -sections
- No. 19-2: Sealing of joints and connections in roofs. Range of applications of sprayable sealants, installation adhesives, butyl sealing tapes, and -sections. Part 2: air-tight level
- No. 20: Sealing of joints in wood components and wood-based materials. Range of applications of sprayable sealants
- No. 25: Sealing of joints and connections for plumbers
- No. 27: Sealing of connection joints and expansion joints in facades by means of sprayable sealants
- No. 28: Renovation of defective joint seals in facades
- No. 29: Sealing of joints in the painters' and varnishers' trade

### 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 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.

### 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, discolouration, 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.

### 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).

### PROTECTION AT WORK AND HEALTH PROTECTION

Avoid swallowing and prolonged or repeated skin contact. Keep out of the reach of children. Consult our Safety Data Sheet.

### 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 full surface bonding. 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.

### PRIMING TABLE

Glass	+
Tiles	+
Pine wood	+
Concrete, wet-ground	+
Concrete, according to formwork	+
Steel DC 04	+

Hot dip galvanised steel	+
High grade steel	+
Zinc	RP 140 / RP 40
Aluminium	+
Aluminium AlMg1	+
Aluminium AlCuMg1	+
Aluminium 6016	+
Aluminium anodised	+
Brass MS 63 hardness F 37	+
Rigid PVC Kömadur ES	+
PVC plasticised	+
PC Makrolon Makroform 099	RP 40
Polyacrylic PMMA XT 20070 Röhm	+
Polystyrene PS Iroplast	+
ABS Metzoplast ABS 7 H	+
PET	+
PU blend quality	+
Copper	RP 140 / RP 40
Polycarbonate	RP 40
PMMA Röhm sanitary quality	+
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).



## QUALITY YOU CAN RELY ON

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