



RAMSAUER®
DICHTSTOFFE

450 SANITÄR

Tested to DIN EN ISO 846

- Basis: Acid curing acetoxy system
- Shore-A- hardness: approx. 25 (DIN 53505)
- Density: ~ 1.02 g/cm³ (ISO 1183 method B)
- Movement capability: ~ 25%
- Temperature resistance: -40°C to +180°C
- Skin over time: ~ 15 minutes
- Storage life: 24 months in a cool and dry place
- Colours: according to current colour chart
- Packaging: 310ml cartridges and 400ml foil bags. For packaging units of each colour refer to our current catalogue or go to www.ramsauer.at

Characteristics

450 SANITÄR is a sanitary sealant with excellent adhesion to any and all materials normally used in sanitary installation (e.g. anodised aluminium, glazed tiles, glass, a wide variety of plastics, china, ...). 450 SANITÄR is characterised by high viscosity and excellent workability and can be smoothed perfectly. This sanitary silicone by Ramsauer contains fungicidal and bactericidal agents counteracting infestation of micro-organisms (mould fungus, bacteria). In order to enhance the anti-mould characteristics it is recommended to keep the joint surfaces and adjoining surfaces clean using detergents and disinfectants. 450 SANITÄR is resistant to commercially available detergents and disinfectants. After curing, 450 SANITÄR is physiologically safe and inert, UV-, weather-, and ageing resistant.

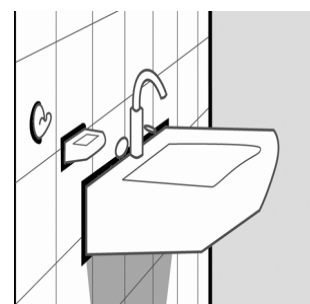
Application

450 SANITÄR is recommended for sealing joints in wet and moist rooms, for sealing connection and expansion joints subjected to high humidity, e.g. sanitary joints in bathrooms and kitchens, for connection joints of bath and shower tubs, wash basins, and shower enclosures, as well as for ceramic wall and flooring tiles.

Processing

Preparation of adherent surfaces: The adherent surfaces must be solid, dry, and free from dust, grease, and oil. Prime adherent surfaces carefully if required. The product is not suitable for tarry and bituminous substrates (discolouration and/or softening of the sealant). Joint design: In case of joints accommodating movement the joint dimensions must be chosen according to the maximum allowed distortion. A minimum joint cross section of 3x5 mm is imperative. In case of joints subjected to low movement (5 %) it is possible to prepare triangular joints. Take into account the applicable standards and guidelines as amended from time to time. Additional information is provided in the info sheet on design and sealing of joints in sanitary rooms "*Merkblatt Nr. 3 - Konstruktive Ausführung und Abdichtung von Fugen in Sanitärräumen*" published by IVD (Association of the Sealants Industry). Unfortunately, this info sheet is available in German only, to be downloaded for free at www.abdichten.de.

Introducing the sealant: 450 SANITÄR must be introduced into the joint evenly and without bubbles while the product is within the processing temperature range. When priming the substrate take into account the open time of the primer. Ensure good contact with adherent surfaces/joint edges during finishing work (smoothing with Ramsauer smoother). When using a smoother remove





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any strips of water immediately after sealing. If cleaning is delayed permanent streaks may remain.

Limitations of application

450 SANITÄR is not suitable for underwater joints in swimming pools and aquariums, not suitable for terrariums, and should not get in direct contact with foodstuffs. Not suitable for sealing natural stone joints or gluing natural stone (contamination of edges) Not suitable for gluing mirrors. When using the product with metals, in particular brass, copper, lead, zinc, etc. corrosion may occur due to the acetic acid released during curing. Not suitable for tarry and bituminous substrates. Not suitable for gluing full areas. Before using the sealant the user must make sure that there is no incompatibility with any building materials in the contact zone. As far as building materials are concerned which will be used subsequently in the area of the sealant it must be ensured that their ingredients and/or cleavage products will not affect the sealant.

Protection at work and health protection

Avoid swallowing the product and avoid any prolonged or repeated skin contact. Since low quantities of acetic acid are released during curing of 450 SANITÄR the product must be used exclusively in sufficiently ventilated rooms. Keep out of the reach of children. Ask for 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 silicones are not suitable for gluing full areas. The curing time increases with the thickness of the layer. Before using the 1-component silicone in layers 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. When replacing mouldy joint seals the affected sealant must be removed completely and the affected areas must be treated with mould spray "503 Schimmelspray". Otherwise, the joint may soon be affected by mould again.

Priming table

Glass	+
Tiles	+
Pinewood	RP 70
Concrete, wet ground	-
Concrete, smooth according to formwork	-
Steel DC 04	+
Hot dip galvanised steel	-
High grade steel	-
Zinc	-
Aluminium	+
Aluminium AlMg1	+
Aluminium AlCuMg1	+
Aluminium 6016	+
Aluminium anodised	+
Brass MS 63 Hardness F 37	-
Rigid PVC Kömadur ES	RP 100
PVC plasticised	-
PC Makrolon Makroform 099	-
Polyacryl PMMA XT 20070 Röhm	WP 40



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Polystyrene PS Iroplast	-
ABS Metzoplast ABS 7 H	RP 100
PET	+
PU cut-back quality	+
Copper	-
Polycarbonate	-
PMMA Röhm sanitary quality	WP 40
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.

Safety advice

Refer to our current EC Data Sheet. Data sheets are available at any time on our website www.ramsauer.at.

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 at any time.