



Den Braven

Technical Data Sheet

Zwaluw Silicone-1001U

Acetoxy silicone sealant for sanitary, glazing and façade joints



Product Description

Zwaluw Silicone-1001U is a versatile acetoxy silicone sealant which cures under influence of humidity to form a durable elastic rubber. The product is UV and weather resistant.

Benefits

- Versatile sealant
- Permanently elastic
- UV, water, moisture and weather resistant
- Mould resistant

Applications

Zwaluw Silicone-1001U was specifically developed for topsealing in glazing systems (1) and for connection joints in buildings, kitchens and bathrooms.

Remark (1)

Compatibility of the edge seals of insulation glass with glazing sealants cannot be guaranteed by the supplier of the sealant, as the composition of the edge seals can be changed by the producer without notice. Any advice on the compatibility of glazing sealants to the edge seals of insulation glass is based on experience and therefore not guaranteed.

Directions Of Use

A joint with the correct dimensions is able to absorb movements between building materials. The joint depth should always be in the correct relationship of the joint width. A general rule is the ratio of

joint depth to the width of the joint with a joint width up to 10 mm is 1:1, with a minimum of 5 mm in width and depth. For joints wider than 10 mm, the depth is the width divided by 3 plus 6 mm. For more information see the Technical Bulletin Joint Dimensions in the Knowledge Base on our website www.denbraven.com.

Additional information

| | | |
|--|-----------------|------------------------------|
| 100 % modulus | DIN 53504 S2 | 0,30 N/mm ² |
| Application rate | @ Ø3 mm/6,3 bar | 700 g/min |
| Application temperature | | +5°C to +40°C |
| Base | | Silicone |
| Curing time | @ +23°C/50% RH | 2mm/24 hours |
| Density | ISO 1183-1 | 0,96 g/ml |
| Elongation at break | DIN 53504 S2 | 440% |
| Flow | ISO 7390 | < 2 mm |
| Frost resistance during transportation | | Up to -15°C |
| Shorea hardness | DIN 53505 | 17 |
| Skin formation | DBTM 16 | 10-12 minutes @ +23°C/50% RH |
| Temperature resistance | | -40°C to +180°C |
| Tensile strength | DIN 53504 S2 | 1,30 N/mm ² |
| Viscosity | | 40 |

These are typical values

Limitations

- Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates
- Not suitable for applications on concrete, marble, lead, copper and galvanized steel

Surface Preparations and Finishing

Application temperature: +5°C to +40°C (applies to environment and substrates). All substrates must be solid, clean, dry, and free of



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grease and dust. Clean substrates with Zwaluw Cleaner. Zwaluw Silicone-1001U adheres perfectly without the use of a primer to most non porous substrates, like glass, painted wood, ceramic and enamelled. Always test adhesion prior to application. Use Zwaluw Finisher to smooth the joint.

Paintability

Zwaluw Silicone-1001U is not paintable. We recommend covering the edges of the joint with masking tape to prevent surfaces that need to be painted from being contaminated by silicone.

Cleaning

Uncured material and tools can be cleaned by using Zwaluw Cleaner. Cured material can only be mechanically removed. Hands can be cleaned with Zwaluw Wipes.

Colour(s)

- Bahama Beige
- Beige
- Aluminium
- RAL 8004 (Copper Brown)
- Transparent
- RAL 9001 (Cream)
- RAL 1015 (Light Ivory)
- White
- RAL 1035 (Pearl Beige)
- RAL 8017 (Chocolate Brown)
- RAL 8016 (Mahogany Brown)
- Grey
- Black Gloss
- RAL 9016 (Traffic White)
- RAL 1019 (Grey Beige)
- Light Grey
- RAL 8014 (Sepia Brown)
- Bronze

Packaging


- Cartridge

For product specifications, please refer to the Product Detail Page

Shelf Life

If kept stored in a cool, dry place, in unopened original packaging, between +5°C and +25°C, shelf life is up to 12 months from production date.

Certifications

| | |
|---|--|
|  | A+ French VOC Regulation |
| | EN 15651-1: F-EXT-INT-CC EN 15651-2: G-CC EN 15651-3: S S1 |

Health & Safety

Product Safety Data Sheet must be read and understood before use. These are available on request and via our websites

Warranty & Guarantee

Bostik warrants that its product complies, within its shelf life, to its specification.

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