



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 10mm is 1:1, with a minimum of 5mm in width and depth. For joints wider

than 10mm, the depth is the width divided by 3 plus 6mm. For more information see the Technical Bulletin Joint Dimensions in the Knowledge Base on our website www.denbraven.com.

Additional information

100 % modulus	N/mm2	0,30 MPa
Application rate	@ Ø3 mm/6,3 bar	700 g/min
Application temperature		+ 5° C to + 40° C
Base		Acetoxy
Curing time	@23° C/50% RH	2mm/24 hours
Density		0,96 g/ml
Elongation at break		520%
Flow	ISO 7390	< 2mm
Frost resistance during transportation		Up to - 15° C
Shorea hardness	DIN 53505	15 Shore A
Skin formation	@ + 23° C/50% RH	5 - 6 minutes
Temperature resistance		- 40° C to + 180° C
Tensile strength	N/mm2	1,30 MPa

These values are typical properties and may vary +/-3%

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 grease and dust. Clean substrates with Zwaluw Cleaner. Zwaluw Silicone-1001U adheres perfectly without the use of a primer to most non porous substrates. Porous substrates to be pre-treated



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with Zwaluw Primer B1. 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)

- Black
- White
- Grey
- Transparent
- Brown

Packaging

- Cartridge

For product specifications, please refer to the Product Detail Page

Shelf Life

In unopened original packaging between + 5°C and + 25°C, shelf life up to 18 months from production date, stored in a dry place.

Certifications

	EN 15651-1: F-EXT-INT-CC EN 15651-2: G-CC EN 15651-3: S S1
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Health & Safety

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

Warranty & Guarantee

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

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