



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

- Excellent resistance to UV, water and weather
- Perfect adhesion to glass, painted wood, ceramic and enamelled
- Permanently elastic
- 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



Den Braven

Technical Data Sheet

Better
results
through
Knowledge

Zwaluw Silicone-1001U

Acetoxy silicone sealant for sanitary, glazing and façade joints

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)

- Transparent
- Brown
- Grey
- White
- Black

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

	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 the Den Braven websites.

Warranty & Guarantee

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

Disclaimer

All information in this document and in all our other publications (including electronic ones) is based on our current knowledge and experience and is the exclusive (intellectual) property of Den Braven. No part of this document may be copied, shown to third parties, reproduced, communicated to the public or used in any other way without Den Braven's written consent. The technical information in this document serves as an indication and is non-exhaustive. Den Braven is not liable for any damage, either directly or indirectly, due to (editorial) errors, incompleteness and/or incorrectness of this document. This includes, but is not limited to, incompleteness and/or incorrectness due to technological changes or any research conducted between the date of publication of this document and the date on which the product is acquired. Den Braven reserves the right to amend the wording of this document. Den Braven cannot be held liable for any damage, either directly or indirectly, due to the use of the product(s) depicted in this document. The user must read and understand the information in this document and other documents relating to the products prior to the use of the product. The user is responsible for performing all the requisite tests to make sure that the product is suitable for its intended use. We have no influence in what way the product is applied and/or any circumstances relating to events occurring during storage or transport and therefore we do not accept any liability for damage whatsoever. All deliveries are made exclusively in accordance with our general terms of conditions which have been filed at the Dutch Chamber of Commerce.