



# Den Braven

## Technical Data Sheet

### Zwaluw Silicone 1001 Universal

Acetoxy silicone for building and glazing joints



#### Product Description

Zwaluw Silicone 1001 Universal is a versatile acetoxy silicone sealant, which cures by reacting to moisture to form a durable elastic rubber seal. The product is UV and weather resistant. Remark: MSDS available on request

#### Benefits

- Versatile sealant
- High elasticity
- Good resistance to UV, water and weather

#### Applications

Zwaluw Silicone 1001 Universal was specifically developed for top sealing in glazing systems (1), perimeter joints around window and doorframes and joints in 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](http://www.denbraven.com).

#### Additional information

100 % modulus	DIN 53504 S2	0,25 N/mm <sup>2</sup>
Application rate	@ Ø3 mm/6,3 bar	620 g/min
Application temperature		+5°C to +40°C
Base		Silicone
Density	ISO 1183-1	0,96 g/ml
Elongation at break	DIN 53504 S2	520%
Flow	ISO 7390	< 2 mm
Frost resistance during transportation		Up to -15°C
Shorea hardness	DIN 53505	12
Skin formation	DBTM 16	6 minutes @ +23°C/50% RH
Temperature resistance		-40°C to +120°C
Tensile strength	DIN 53504 S2	1,00 N/mm <sup>2</sup>

*These are typical values*

#### Limitations

- Do not apply in thick layers
- 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 (environment and substrates). All substrates must be solid, clean, dry, and free of grease and dust. Clean substrates with Zwaluw Cleaner. Zwaluw Silicone 1001 Universal adheres perfectly without the use of a primer to most non porous substrates, like glass, painted wood, ceramic and



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enamelled. Always test adhesion prior to application. Use Zwaluw Finisher to smooth the joint.

#### Paintability

Zwaluw Silicone 1001 Universal is not paintable. We recommend covering the edges of the joint with masking tape to prevent being contaminated by silicone.

#### Cleaning

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

#### Colour(s)

- Aluminium
- Bronze

#### 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 is up to 18 months from production date, stored in a dry place.

#### Certifications

	EN 15651-1: F-EXT-INT-CC 12.5E
	EN 15651-2: G-CC EN 15651-3: S XS1
	A+ French VOC Regulation

#### 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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