



# Den Braven

## Technical Data Sheet

### Zwaluw Silicone-NAF

Neutral silicone sealant for sanitary, glazing and façade joints



#### Product Description

Zwaluw Silicone-NAF is a versatile neutral silicone sealant for sanitary, building, glazing and façade joints which cures by reacting to moisture to form a durable elastic rubber seal

#### Benefits

- Neutral curing
- Almost odourless
- Perfect bonding without primer to most substrates
- ISEGA certified
- Non corrosive towards metals

#### Applications

Zwaluw Silicone-NAF has been specially developed for durable elastic sealing of connection and expansion joints in concrete, brickwork, curtain wall constructions, glazing systems (1), kitchens, bathrooms and showers, for industrial applications and in areas where food is being processed and/or stored, such as cold rooms, food containers etc.

#### 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		0,35 N/mm <sup>2</sup>
Application rate	@ Ø3 mm/6,3 bar	140 g/min
Application temperature		+5°C to +40°C
Base		Neutral silicone
Curing time	@ 23°C/50% RH	2mm/24 hours
Density		1,02 g/ml
Elongation at break		450%
Flow	ISO 7390	< 2 mm
Frost resistance during transportation		Up to -15°C
Joint movement		25%
Shorea hardness	DIN 53505	18
Skin formation	@ +23°C/50% RH	7-8 minutes
Temperature resistance		-40°C to +120°C
Tensile strength		1,10 N/mm <sup>2</sup>

*These are typical values*

#### Limitations

- Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates
- Discoloration can occur in dark places and by contact with chemicals

#### 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-NAF adheres perfectly without the use of primer to most non porous substrates. Porous substrates to be pre-treated with Zwaluw Primer Universal. Always test adhesion prior to application. Use Zwaluw Finisher to smooth the joint.



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#### Paintability

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

#### Cleaning

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

#### Colour(s)

- RAL 9010 (Pure white)
- Transparent
- RAL 9002 (Grey White)
- Jasmine

#### Packaging



- Sausage

*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

	EN 15651-1: F-EXT-INT-CC 25LM EN 15651-2: G-CC 25LM EN 15651-3: S XS2
	A+ French VOC Regulation

#### 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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