



# Den Braven

## Technical Data Sheet

### Zwaluw® Silicone-NM

Neutral silicone sealant for sealing natural stone and sanitary, glazing and façade joints



#### Product Description

Zwaluw Silicone-NM is a plasticizer free neutral silicone sealant for sealing connection joints between natural stone and other strong absorbing substrates which reduces the risk of edge soiling and staining on the substrates to a minimum.

#### Benefits

- No edge soiling or staining on natural stone
- Neutral curing, almost odourless
- Perfect bonding without primer on most substrates
- Excellent resistance to UV, water, moisture and weather
- Mold resistant

#### Applications

Zwaluw Silicone-NM has been specially developed for durable elastic sealing of connection and expansion joints in natural stone, concrete, brickwork, curtain wall constructions, glazing systems(1), kitchens, bathrooms, showers and for industrial applications.

#### 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 mentioning. Advices concerning the compatibility of glazing sealants to the edge seals of insulation glass are 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 till 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 6mm. 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	N/mm2	0,35 MPa
Application Rate	@ Ø3 mm/6,3 bar	130 g/min
Application Temperature		+5°C till +40°C
Base		Neutral oxime
Curing Time	@23°C/50% RH	2mm/24 hours
Density		1,01 g/ml
Elongation at Break		530%
Flow	ISO 7390	< 2mm
Frost Resistance during transportation		till -15°C
Joint Movement		25%
Shore-A hardness	DIN 53505	25 Shore A
Skin Formation	@23°C/50% RH	7-8 min
Temperature Resistance		-40°C till +120°C
Tensile Strength	N/mm2	0,95 MPa

#### 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 from grease and dust. Clean substrates with Zwaluw Cleaner. Zwaluw Silicone-NM adheres perfectly without the use of a primer to most non



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2017-08-24 14:37:20 UTC



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porous substrates. Porous substrates to be pre-treated with Zwaluw Primer B1. Always test adhesion prior to application. Use Zwaluw Finisher to smooth the joint.

#### Paintability

Zwaluw Silicone-NM is not paintable. It is recommended to cover the edges of the joint with masking tape in order to prevent that surfaces which remain to be painted will be contaminated with 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)

- White
- Anthracite
- RAL 7016 (Anthracite grey)
- RAL 9001 (Cream)
- RAL 9010 (Pure white)
- Transparent grey
- Transparent
- Silver-Grey


#### Packaging

- Cartridge 310 ml
- Sausage 400 ml

#### Shelf Life

In unopened original packaging between +5°C and +25°C, shelf life till 12 months after production date, stored in a dry place.

#### Certifications

	EN 15651-1: F-EXT-INT-CC 25LM EN 15651-2: G-CC 25LM EN 15651-3: S XS2
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#### Health & Safety

Product 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

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