



# Den Braven

## Technical Data Sheet

### Zwaluw Silicone Construct

Neutral silicone for glazing- and façade joints



### Product Description

Zwaluw Silicone Construct is a versatile neutral silicone sealant for building, glazing and façade joints, which cures under influence of humidity to form a durable elastic rubber.

### Benefits

- Neutral curing
- Almost odourless
- Perfect bonding without primer on most substrates
- UV, water and weather resistant
- Non corrosive towards metals
- Good adhesion to glass, painted wood, ceramic, enamelled, stainless steel and many plastics

### Applications

Zwaluw Silicone Construct is specially developed for durable elastic sealing of expansion joints in concrete and brickwork, connections joints, curtain wall constructions, glazing systems and industrial applications (1).

#### 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 well-designed joint is a joint with a sufficient width so it would be able to take and process the movement of the adjacent building elements. 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 5mm in width and depth. For joints wider than 10 mm, the ratio is 1:2 with a minimum depth of at least 10 mm and a maximum of 15 mm. For further question please contact our technical service.

### Additional information

100 % modulus	DIN 53504 S2	0,27 N/mm <sup>2</sup>
Application rate	@ Ø3 mm/6,3 bar	140 g/min
Application temperature		+5°C to +40°C
Base		Neutral oxime
Curing time	@ +23°C/50% RH	2 mm/24 hours
Density	ISO 1183-1	1,02 g/ml
Elongation at break	DIN 53504 S2	635%
Flow	ISO 7390	< 2 mm
Frost resistance during transportation		Up to -15°C
Joint movement		25%
Permeability	EN 1026	an= 0,018m <sup>3</sup> /h @ 600Pa
Permeability test		Up to 1050 Pa
Shorea hardness	DIN 53505	16
Skin formation	DBTM 16	7-8 minutes @ +23°C/50% RH
Temperature resistance		-40°C to +120°C
Tensile strength	DIN 53504 S2	1,10 N/mm <sup>2</sup>

*These are typical values*



**Den Braven**

## Technical Data Sheet

### Zwaluw Silicone Construct

Neutral silicone for glazing- and façade joints

#### 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 (environment and substrate). Surfaces must be dry, clean and solid. Clean surfaces with Zwaluw Cleaner. Zwaluw Silicone Construct adheres perfectly without the use of primer to most non porous substrates. Strong porous surfaces to be pre-treated with Zwaluw Primer Universal. Always test adhesion prior to application. Use Zwaluw Finisher to smooth the joint.

#### Paintability

Zwaluw Silicone Construct 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)

- Grey
- Black
- Transparent
- Bronze
- RAL 8014 (Sepia Brown)
- Brown
- White
- RAL 8016 (Mahogany Brown)
- RAL 9016 (Traffic White)
- RAL 1019 ( Grey Beige)
- RAL 1015 (Light Ivory)
- RAL 1035 (Pearl Beige)
- RAL 8017 ( Chocolate Brown)

#### Packaging




- Cartridge
- 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

	A+ French VOC Regulation
	ASTM C-920 EN 1026/EN1027 EN 15651-3: S XS1 DIN 18545-E
	ISEGA
	EN 15651-1: F-EXT-INT-CC 25LM EN 15651-2: G-CC 25LM

#### 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.



**Den Braven**

Arkema Middle East DMCC  
Unit 1108 JBC 3 Tower, Cluster Y, Jumeirah Lakes Towers, P.O. Box 336393 Dubai  
T +971 48751704 | E bostik.mena-info@bostik.com

15-05-2024  
00:05:05  
MDT



# Den Braven

## Technical Data Sheet

Better  
results  
through  
knowledge

### Zwaluw Silicone Construct

Neutral silicone for glazing- and façade joints

#### 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 Bostik. No part of this document may be copied, shown to third parties, reproduced, communicated to the public or used in any other way without Bostik written consent. The technical information in this document serves as an indication and is non-exhaustive. Bostik 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. Bostik reserves the right to amend the wording of this document. Bostik 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.



Den Braven

Arkema Middle East DMCC  
Unit 1108 JBC 3 Tower, Cluster Y, Jumeirah Lakes Towers, P.O. Box 336393 Dubai  
T +971 48751704 | E [bostik.mena-info@bostik.com](mailto:bostik.mena-info@bostik.com)

15-05-2024  
00:05:05  
MDT