



# Den Braven

## Technical Data Sheet

### Zwaluw Window Seal® Plus Transparent

Durable limited paintable neutral silicone sealant for glazing and façade joints



#### Product Description

Zwaluw Window Seal® Plus is a limitedly paintable, dryly toolable, universal silicone technology based glazing sealant which cures by reacting to moisture to form a durable elastic rubber seal.

#### Benefits

- UV, water and weather resistant
- Perfect bonding without primer to most substrates
- Permanently elastic

#### Applications

Zwaluw Window Seal® Plus was specifically developed for top sealing in glazing systems (1), complying with international glazing standards, and for perimeter joints.

##### 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	0,34 N/mm <sup>2</sup>
Application rate	@ Ø3 mm/6,3 bar	131 g/min
Application temperature		+5°C to +40°C
Base		Neutral oxime
Curing time	@ 2+3°C/50% RH	2mm/24 hours
Density	ISO 1183-1	1,02 g/ml
Elongation at break	DIN 53504 S2	525%
Flow	ISO 7390	< 2 mm
Frost resistance during transportation		Up to -15°C
Joint movement		25%
Shorea hardness	DIN 53505	15
Skin formation	DBTM 16	7-8 minutes @ +23°C/50% RH
Temperature resistance		-50°C to +120°C
Tensile strength	DIN 53504 S2	0,95 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 Window Seal® Plus Transparent adheres perfectly without the use of



Den Braven

Bostik Benelux B.V  
Denariusstraat 11, 4903 RC Oosterhout  
T +31 (0)162491000 | E [info@bostik.com](mailto:info@bostik.com)

13-05-2024  
07:22:15  
MDT



**Den Braven**

## Technical Data Sheet

### Zwaluw Window Seal® Plus Transparent

Durable limited paintable neutral silicone sealant for glazing and façade joints

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

#### Paintability

Zwaluw Window Seal® Plus Transparent is paintable in some instances. We recommend testing the compatibility with the paint prior to application. If Zwaluw Window Seal® Plus Transparent is to be painted over (not necessary), we recommend slightly sanding the sealant and the junction surfaces prior to use with Scotch-Brite. Cleaning with denatured alcohol (methylated spirits). For the best results, we recommend painting within a few days after application.

#### 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

#### Packaging


- Cartridge

*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 XS1 EN 15651-4: PW-EXT-INT-CC 25LM

	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.

#### 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.

Better  
results  
through  
knowledge