



# 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

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

#### 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



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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

	A+ French VOC Regulation
	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
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#### 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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