



Den Braven

# Window Seal® Plus

Durably paintable with certain paints, neutral silicone sealant for glazing and façade joints



## PRODUCT DESCRIPTION

Zwaluw Window Seal® is a universal silicone technology based glazing sealant, which cures under influence of humidity to form a durable elastic rubber. It is paintable under the correct circumstances, and toolable when dry.

## KEY BENEFITS

- UV, water and weather resistant
- Perfect adhesion without primer on most substrates
- Permanently elastic

## APPLICATIONS

Zwaluw Window Seal® Plus was specifically developed for topsealing in glazing systems (1), and for perimeter joints, and complies with international glazing standards

### 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.

## DIRECTION FOR 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).

## TECHNICAL SPECIFICATIONS

<b>100% Modulus</b>	DIN 53504 S2	0,35 N/mm <sup>2</sup>
<b>Application Temperature</b>		+5°C to +40°C
<b>Base</b>		2-Pentanone Oxime
<b>Application Rate</b>	@ Ø3 mm/6,3 bar	130 g/min
<b>Curing Time</b>	@ +23°C/50% RH	2-3mm/24hours
<b>Density</b>	ISO 1183-1	1,24 g/ml
<b>Elongation At Break</b>	DIN 53504 S2	550%
<b>Flow</b>	ISO 7390	< 2 mm
<b>Frost Resistance</b>		Up to -15°C
<b>Joint Movement</b>		25%
<b>Shore A Hardness</b>	DIN 53505	19
<b>Skin Formation</b>	DBTM 16	8 minutes@ +23°C/50% RH
<b>Temperature Resistance</b>		-50°C to +120°C
<b>Tensile Strength</b>	DIN 53504	1.30 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 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.

## PAINTABILITY

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

## CLEANING

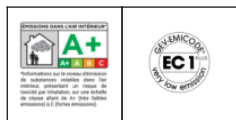
Uncured material and tools can be cleaned by using Zwaluw Cleaner. Cured material can only be mechanically removed. Hands can be cleaned with Zwaluw Wipes.

## SHELF LIFE

In unopened original packaging between +5°C and +25°C, shelf life is 18 months from production date, stored in a dry place.

## CERTIFICATIONS

- EN 15651-1: F-EXT-INT-CC 25LM
- EN 15651-2: G-CC 25LM
- A+ French VOC Regulation
- EN 15651-3: S XS1
- Emission EC1 Plus – very low emission



## 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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