



# Den Braven

## Technical Data Sheet

### Zwaluw Hybriseal® Façade

Low modulus hybrid sealant



#### Product Description

Zwaluw Hybriseal® Façade is a high quality professional universal low modulus sealant based on hybrid technology, which cures under influence of humidity to form a durable elastic rubber.

#### Benefits

- Perfect adhesion without primer to most, even damp, surfaces
- Low modulus
- Neutral curing, almost odourless
- Free of isocyanates, solvents and silicones
- No shrinkage and bubble free
- Good resistance to UV, water and weather
- Permanently elastic
- High mechanical resistance

#### Applications

Zwaluw Hybriseal® Façade was specifically developed as a universal sealant for sealing construction and dilatation joints and joints in pedestrian walkways on most common building materials such as concrete, brickwork, painted wood, enamel, aluminium, stainless steel and a variety of plastics.

#### 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	0,45 N/mm <sup>2</sup>
Application rate	Ø4 mm/3 bar	120 g/min
Application temperature		+5°C to +40°C
Base		SPUR
Curing time	@ +23°C/50% RH	2-3 mm/24 hours
Density	ISO 1183-1	1,34 g/ml
Elongation at break	ISO 8339	600%
Flow	ISO 7390	< 3 mm
Frost resistance during transportation		Up to -15°C
Joint movement		25%
Shorea hardness	DIN 53505	25
Skin formation	@ +23°C/50% RH	90 minutes
Temperature resistance		-30°C to +70°C
Tensile strength	DIN 53504	1,3 N/mm <sup>2</sup>

*These are typical values*

#### Limitations

- Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates
- Not suitable for glazing joints, natural stone and mirrors
- Not suitable in combination with chlorides (pools)

#### 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



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Hybriseal® Façade adheres perfectly without the use of a 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 Hybriseal® Façade is paintable with water based and most 2 component paints. Synthetic paints can dry slower. We recommend testing compatibility with paint prior to application. If Zwaluw Hybriseal® Façade is being painted over (not necessary), we recommend slightly sanding the sealant and the junction surfaces prior to use with Scotch-Brite. 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.

#### Colour(s)

- Concrete Grey
- Black
- White
- Light Beige
- RAL 1015 (Light Ivory)

#### Packaging

- Cartridge
- Sausage

*For product specifications, please refer to the Product Detail Page*

#### Shelf Life

In unopened original packaging between +5°C and +25°C, shelf life up to 15 months after production date, stored in a dry place.

#### Certifications

	EN 15651-1: F-EXT-INT-CC 25LM
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	EN 15651-4: PW-EXT-INT-CC 25LM ASTM C1248 non-staining ASTM C920 S-NS-C50-Nt-T1-M-A-G
	Emicode EC1 Plus
	A+ French VOC Regulation
	SNJF Façade 25E

#### 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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