



Den Braven

# 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.

## KEY 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.

## 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	0,45 N/mm <sup>2</sup>
<b>Application Temperature</b>		+5°C to +40°C
<b>Base</b>		SPUR
<b>Application Rate</b>	Ø4 mm/3 bar	120 g/min
<b>Curing Time</b>	@ +23°C/50% RH	2-3 mm/24 hours
<b>Density</b>	ISO 1183-1	1,34 g/ml
<b>Elongation At Break</b>	ISO 8339	600%
<b>Flow</b>	ISO 7390	< 3 mm
<b>Frost Resistance</b>		Up to -15°C
<b>Joint Movement</b>		25%
<b>Shore A Hardness</b>	DIN 53505	25
<b>Skin Formation</b>	@ +23°C/50% RH	90 minutes
<b>Temperature Resistance</b>		-30°C to +70°C
<b>Tensile Strength</b>	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 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.

## SHELF LIFE

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

## CERTIFICATIONS

- Emericode EC1 Plus – very low emission
- A+ French VOC Regulation
- ASTM C1248 non-staining
- ASTM C920 S-NS-C50-Nt-T1-M-A-G
- EN 15651-1: F-EXT-INT-CC 25LM
- SNJF F25E
- EN 15651-4: PW-EXT-INT-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.

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