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.

TECHNICAL SPECIFICATIONS

100% Modulus	DIN 53504 S2	0,45 N/mm²
Application Temperature		+5°C to +40°C
Base		Hybrid
Application Rate	Ø4 mm/3 bar	120 g/min
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		Up to -15°C
Joint Movement		25%
Shore A 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/mm²

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

- Emicode 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.

DISCLAIMER

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