Technical Data Sheet

Zwaluw Hybriseal® 2PS
High quality professional and universally paintable sealant for glazing and façade joints

Product Description

Zwaluw Hybriseal® 2PS is a high quality professional sealant, universally paintable, based on hybrid technology, which cures under influence of humidity to form a durable elastic rubber.

Benefits

• Excellently paintable with water based and synthetic paints

• Universal uses for buildings and glazing, both interior and exterior

• Free of isocyanates, solvents and silicones

• Non corrosive towards metals

• No shrinkage and bubble free

• Resistant to UV, moisture, mould and weather

• Adheres perfectly without primer on most, even damp, surfaces

Applications

Zwaluw Hybriseal® 2PS was specifically developed as universal glazing sealant, complying with international glazing standards, for laminated, single, insulation, burglar-proof and self-cleaning glass (1). For sealing expansion, connection and 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. Ant advices 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 devided by 3 plus 6 mm. For more information see the Technical Bulletin Joint Dimensions in the Knowledge Base on our website www.denbraven.com.

Additional information

100 % modulus	DIN 53504 S2	0,65 N/mm²
Application rate	Ø2,5 mm/6,3 bar	100-200 g/min
Application temperature		+5°C to +40°C
Base		Hybrid
Curing time	@ +23°C/50% RH	Approximately 2-3 mm/24 hours
Density	ISO 1183-1	1,53 g/ml
Elongation at break	DIN 53504 S2	350%
Flow	ISO 7390	< 2 mm
Frost resistance during transportation		Up to -15°C
Joint movement		25%
Shorea hardness	DIN 53505	32
Skin formation	DBTM 16.00	15 minutes @+23°C/50% RH
Temperature resistance		-40°C to +90°C
Tensile strength	DIN 53504 S2	1,00 N/mm²

These are typical values

Limitations

• Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates

• Not suitable for natural stone and mirrors

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• 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 and free of grease and dust. Clean substrates with Zwaluw Cleaner. Zwaluw Hybriseal® 2PS adheres perfectly without the use of 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 smooth the joint.

Paintability

Zwaluw Hybriseal® 2PS is paintable with most water based and synthetic paints. We recommend testing compatibility with paint prior to application. If Zwaluw Hybriseal® 2PS 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 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)

• Grey

• Black

• White

• Brown

Packaging

• Cartridge

For product specifications, please refer to the Product Detail Page

Shelf Life

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

Certifications

CE	EN 15651-1: F-EXT-INT-CC 25HM EN 15651-2: G-CC 25HM EN 15651-3: S XS2 EN 15651-4: PW-EXT-INT-CC 25HM
EC1 PLUS	Emicode EC1-R Plus
ISEGA	ISEGA
M1	M1

Health & Safety

Safety data sheet (MSDS) must be read and understood before use of product. These are available on request and via the Siroflex website on the product pages.

Warranty & Guarantee

Siroflex warrants that its product complies, within its shelf life, to its specification.

Disclaimer

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