



Den Braven

Technical Data Sheet

Zwaluw Hybriseal® 500

High modulus hybrid sealant and adhesive



Product Description

Zwaluw Hybriseal® 500 is a high quality professional universal high modulus sealant and adhesive based on hybrid technology which cures under influence of humidity to form a durable elastic rubber.

Benefits

- High modulus
- Highly elastic

Applications

Zwaluw Hybriseal® 500 was specifically developed as a universal sealant for sealing construction and dilatation joints in building and industry. Universal construction adhesive for bonding many building materials such as: stone, concrete, glass, plasterboard, PU, PVC, hard plastics, enamel, ceramic, copper, lead, zinc, aluminium, metals, alloys, stainless steel, wood and paint systems.

Directions Of Use

Apply with hand or pneumatic guns, maximum required pressure is 3,5 kg. When applying avoid air entrapment. Smooth with joint nail or putty knife. Tooling and finishing must be carried out within the skin formation time of the sealant. Apply as an adhesive in a 'ventilating' way in vertical stripes with 30 cm distance in between. The use of 3 mm thick double sided adhesive tape is recommended to support adhesion during the first 24 hours and to ensure the correct thickness of the adhesive.

Additional information

100 % modulus	DIN 53504 S2	0,90 MPa
Application rate	Ø4 mm/3 bar	100-200
Application temperature		+5°C to +40°C
Base		SPUR
Curing time	@ +23°C/50% RH	± 2-3 mm/24 hours
Density	ISO 1183-1	1,38 g/ml
Elongation at break	DIN 53504 S2	± 400%
Frost resistance during transportation		Up to -15°C
Joint movement		20%
Shearing strength	ISO 4587	± 1,4 N/mm²
Shorea hardness	DIN 53505	55
Shrinkage	ISO 10563	<10%
Skin formation	@ +23°C/50% RH	15-20 minutes
Temperature resistance		-30°C to +70°C

These are typical values

Limitations

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

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® 500 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.



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Paintability

Zwaluw Hybriseal® 500 is paintable with water based and most 2 component paints. Synthetic paints may dry slower. We recommend testing compatibility with paint prior to application. If Zwaluw Hybriseal® 500 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)

- White

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 up to 15 months from production date, stored in a dry place.

Certifications

	EN 15651-1: F-EXT-INT-CC 20HM
	Emicode EC1 Plus

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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Better
results
through
knowledge