



# 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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