Den Braven

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.

KEY 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.

DIRECTION FOR 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.

TECHNICAL SPECIFICATIONS

100% Modulus	DIN 53504 S2	0,90 MPa
Application Temperature		+5°C to +40°C
Base		Hybrid
Application Rate	Ø4 mm/3 bar	100-200
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		Up to -15°C
Joint Movement		20%
Shore A Hardness	DIN 53505	55
Skin Formation	@ +23°C/50% RH	15-20 minutes
Temperature Resistance		-30°C to +70°C
Shrinkage		<10% (ISO 10563)
Shear Strength		± 1,4 N/mm² (ISO 4587)

These are typical values

LIMITATIONS

- Not suitable for PE, PP, PTFE, soft plastics, neoprene and bituminous substrates,Not suitable for 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® 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.

PAINTABILITY

Zwaluw Hybriseal® 500 is paintable with water based and most 2 component paints. Synthetic paints may dry slower. We recommended 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.

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 – very low emission

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

All information in this document and in all our other publications (including electronic ones) is based on our current knowledge and experience and is the exclusive (intellectual) property of Bostik. No part of this document may be copied, shown to third parties, reproduced, communicated to the public or used in any other way without Bostik written consent. The technical information in this document serves as an indication and is non-exhaustive. Bostik is not liable for any damage, either directly or indirectly, due to (editorial) errors, incompleteness and/or incorrectness of this document. This includes, but is not limited to, incompleteness and/or incorrectness due to technological changes or any research conducted between the date of publication of this document and the date on which the product is acquired. Bostik reserves the right to amend the wording of this document. Bostik cannot be held liable for any damage, either directly or indirectly, due to the use of the product(s) depicted in this document. The user must read and understand the information in this document and other documents relating to the products prior to the use of the product. The user is responsible for performing all the requisite tests to make sure that the product is suitable for its intended use. We have no influence in what way the product is applied and/or any circumstances relating to events occurring during storage or transport and therefore we do not accept any liability for damage whatsoever. All deliveries are made exclusively in accordance with our general terms of conditions which have been filed at the Dutch Chamber of Commerce.

Bostik S.A.
51, ESPLANADE DU GÉNÉRAL DE GAULLE
92800 PUTEAUX - LA DÉFENSE
TÉL. : +33 (1) 49 00 90 00