



Den Braven

# Hybrifix®

High quality hybrid sealant and adhesive



## PRODUCT DESCRIPTION

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

## KEY BENEFITS

- Universal bonding and sealing for interior and exterior use
- Permanently elastic
- Free of isocyanates, solvents and silicones
- No shrinkage and bubble free
- Resistant to UV, moisture, mould and weather
- Adheres perfectly without primer on most, even damp, surfaces
- Neutral curing, almost odourless
- Non corrosive towards metals
- High mechanical resistance, end strength and E-modulus
- Absorbs acoustic and mechanical vibrations

## APPLICATIONS

Zwaluw Hybrifix® was specifically developed as a universal sealant for durable elastic sealing of connection joints and joints in pedestrian walkways in building and industry. For expansion joints Den Braven recommends Zwaluw Hybriseal® Façade or Zwaluw Hybriseal® 2PS. 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, HPL and cement fibre panels (1), wood and paint systems. For sealing and bonding in cold storage cells and kitchens.

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- Remark (1)
- For bonding HPL and cement fibre panels see Technical Bulletins in the Knowledge Base on our website [www.denbraven.com](http://www.denbraven.com).

## DIRECTION FOR USE

Apply adhesive in a 'ventilating' way in vertical stripes with 10-20 cm between stripes. Do not apply adhesive in dots! The use of 3 mm double

sided tape is recommended to support the adhesion during the first 24 hours and to make sure that the thickness of the adhesive is correct. For further questions please contact our technical service.

## TECHNICAL SPECIFICATIONS

<b>100% Modulus</b>	DIN 53504 S2	1,15 N/mm <sup>2</sup>
<b>Application Temperature</b>		+5°C to +40°C
<b>Base</b>		Hybrid
<b>Application Rate</b>	@ Ø2,5 mm/6,3 bar	100-300 g/min
<b>Curing Time</b>	@ +23°C/50% RH	2-3 mm/24 hours
<b>Density</b>	ISO 1183-1	1,56 g/ml
<b>Elongation At Break</b>	DIN 53504 S2	350%
<b>Flow</b>	ISO 7390	< 2 mm
<b>Frost Resistance</b>		Up to -15°C
<b>Joint Movement</b>		25%
<b>Shore A Hardness</b>	DIN 53505 3 sec.	52
<b>Skin Formation</b>	@ +23°C/50% RH - DBTM 16	10 minutes
<b>Temperature Resistance</b>		-40°C to +90°C
<b>Tensile Strength</b>	DIN 53504 S2	2.00 N/mm <sup>2</sup>

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, 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 Hybrifix® adheres perfectly without the use of a primer to most non porous substrates. Pre-treat porous substrates with Zwaluw Universal Primer. Always test adhesion prior to application. Use Zwaluw Finisher to smooth the joint.

## PAINTABILITY

Zwaluw Hybrifix® is perfectly paintable with water based and most 2 component paints. Synthetic paints can dry slower. We recommended testing compatibility with paint prior to application. If Zwaluw Hybrifix® 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.

## PACKAGING DESCRIPTION

- Cartridge

For product specifications, please refer to the Product Detail Page

## COLOUR

White, Black, Grey, Brown

## SHELF LIFE

Store between +5°C and +25°C and in shaded conditions. Shelf life is 18 months (exception for pressure pack shelf life is 12 months) when stored as recommended in original unopened packaging.

## CERTIFICATIONS

- Emission EC1 Plus – very low emission
- EN 15651-4: PW-EXT-INT-CC 25HM
- A+ French VOC Regulation
- EN 15651-1: F-EXT-INT-CC 25HM
- ISEGA
- EN 15651-3: S XS3
- M1



## 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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