



# Den Braven

## Technical Data Sheet

### Zwaluw Panelfix®

Extremely strong hybrid adhesive for panel bonding



### Product Description

Zwaluw Panelfix® is a high quality, strong, elastic, fast curing construction sealant for panel bonding, based on hybrid technology, which cures under influence of humidity to form a durable elastic rubber. Zwaluw Panelfix® must be used in combination with Zwaluw PF-Primer®, Zwaluw Paneltape and Zwaluw Panel Cleaner.

### Benefits

- Complete system with primer, spacer tape and cleaner
- Extremely strong
- Permanently elastic
- Free of isocyanates, solvents and silicones
- Fast curing
- Applicable for dormer windows

### Applications

Zwaluw Panelfix® was specifically developed for bonding HPL and fibre cement panels for façades to interior and exterior walls. Due to the great variety of topcoats on HPL panels we always advise testing the adhesion prior to application. Apply panels onto a suitable vertical aluminium or smooth wooden raster with Zwaluw Paneltape and Zwaluw Panelfix®. For more details see Technical Bulletin Panel Bonding in the Knowledge Base on our website [www.denbraven.com](http://www.denbraven.com).

### Directions Of Use

Apply adhesive in a 'ventilating' way in vertical stripes with 10-20 cm distance between the stripes. Apply Panelfix® with a professional caulking gun. Panelfix® must be applied with the provided V-nozzle within 10 minutes after application. Use sufficient pressure in order to achieve good contact with the raster and the Paneltape. Do not apply the adhesive in dots! Use 3 mm double sided tape to support adhesion during the first 24 hours and to ensure the thickness of the adhesive. For use on for panels up to a maximum of 2.5m<sup>2</sup>, maximum 13 mm thick and maximum 2550 mm long. For more details see the Technical Bulletin Panel Bonding in the Knowledge Base on our website [www.denbraven.com](http://www.denbraven.com).

### Additional information

100 % modulus	DIN 53504 S2	1,15 N/mm <sup>2</sup>
Application rate	@ Ø2,5 mm/6,3 bar	100-300 g/min
Application temperature		+5°C to +40°C
Base		Hybrid
Curing time	@ +23°C/50% RH	2-3 mm/24 hours
Density	ISO 1183-1	1,56 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 3 sec.	52
Skin formation	DBTM 16	10 minutes @ +23°C/50% RH
Temperature resistance		-40°C to +90°C
Tensile strength	DIN 53504 S2	2,00 N/mm <sup>2</sup>

*These are typical values*



Den Braven

## Technical Data Sheet

### Zwaluw Panelfix®

Extremely strong hybrid adhesive for panel bonding

#### Limitations

- Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates
- Not suitable for continuous exposure to water
- Not suitable for glazing joints, natural stone and mirrors
- Not suitable in combination with chlorides (pools)
- Not suitable for movement joints

#### 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 thoroughly with Zwaluw Panel Cleaner. Always test adhesion prior to 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)

- Black

#### Packaging


- Cartridge




*For product specifications, please refer to the Product Detail Page*

#### Shelf Life

Store between +5°C and +25°C and in shaded conditions. Shelf life is 18 months when stored as recommended in original unopened packaging.

#### Certifications

	Emicode EC1 Plus
---	------------------

	A+ French VOC Regulation
	LEED EN 15651-3: S XS3
	ISEGA
	EN 15651-4: PW-EXT-INT-CC 25HM EN 15651-1: F-EXT-INT-CC 25HM

#### 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.