



Den Braven

# 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.

## KEY BENEFITS

- Complete system with primer, spacer tape and cleaner
- Extremely strong
- Permanently elastic
- Free of isocyanates, solvents and silicones
- Fast curing
- For use on panels up to 2.5m<sup>2</sup>

## 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).

## DIRECTION FOR 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).

## 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 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.

## 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.

## BOSTIK CERTIFICATIONS

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



## 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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