



# Den Braven

## Technical Data Sheet

### Zwaluw Fast Bond 2C

Fast curing and extreme durable 2-component adhesive



#### Product Description

Zwaluw Fast Bond 2C is a fast curing and extremely durable 2-component hybrid adhesive. Zwaluw Fast Bond 2C can be used in building and industrial applications, both for interior and exterior use. Zwaluw Fast Bond 2C is a 2-component adhesive packed in a uniquely traditional appearing cartridge and comes with a static mixer to ensure the required mixing ratio. Once applied Zwaluw Fast Bond 2C cures to a durable strong elastic adhesive, regardless of temperature, humidity and type of surface porosity.

#### Benefits

- Fast curing and ideal for full surface bonding
- Easy ready to use, unique 1 cartridge system
- Fast setting and quickly accessible, fully cured after 4 hours
- High E module
- Free of isocyanates, silicone and solvents
- Adheres perfectly without primer to most, even damp surfaces
- No shrinkage, bubble free
- Almost odourless
- Very easy to spread because of thixotropic structure
- High mechanical resistance, movement absorption and strength
- Can immediately (wet on wet) be sprayed over using common car repair coatings
- Non corrosive towards metals, sandable and grindable

- Absorbs acoustic and mechanical vibrations

#### Applications

Zwaluw Fast Bond 2C was specifically developed for fast bonding of many building materials, non porous substrates, and laminating in the building and construction industries. Bonding of materials to be quickly mechanically loadable, transportable and walkable.

#### Directions Of Use

Apply homogenously mixed Zwaluw Fast Bond 2C. Do not use the first 10 cm of material after extrusion. Zwaluw Fast Bond 2C is supplied as an adhesive and a hardener in separate containers, packed in a standard cartridge. It is important to maintain the prescribed ratio of 1:1 in order to obtain the desired cure and physical properties of the adhesive. To achieve this use a standard professional caulking gun, for example: MK5 Skelet Open the cartridge by removing the screw cap. Screw the static mixer onto the cartridge and place in the caulking gun. Zwaluw Fast Bond 2C can be used as a full surface adhesive or can be applied in a ventilating way. The major benefit of the 2 component Zwaluw Fast Bond 2C is that it cures in between two non-porous surfaces and regardless of temperature, humidity and layer thickness. Assemblies are usually clamped until sufficient strength is obtained to allow further processing. If faster rate of cure (strength build-up) is desired, heat can be used to accelerate the cure. This is particularly useful when parts need to be processed quickly after bonding or additional work life is needed but a slower rate of strength build-up cannot be accommodated. When cured, two component adhesives are typically tough and rigid with good temperature and chemical resistance.

Better  
results  
through  
knowledge



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#### Additional information

100 % modulus	DIN 53504 S2	1,20 N/mm <sup>2</sup>
Application rate		n/a
Application temperature		+5°C to +40°C
Base		Hybrid
Curing time	@ +23°C/55% RH	Approximately 4 hours
Density	ISO 1183-1	1,40 g/ml ([A+B])
Elongation at break	DIN 53504 S2	260%
Flow	ISO 7390	< 2 mm
Frost resistance during transportation		Up to -15°C
Shorea hardness	DIN 53505 3 sec	52
Temperature resistance		-40°C to +90°C
Tensile strength	DIN 53504 S2	1,70 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 natural stone
- Not suitable for glazing joints, natural stone and mirrors
- Not suitable for air pressured caulking gun applications

#### Surface Preparations and Finishing

Application temperature +5°C to +40°C (environment and substrate). All substrates must be solid, clean and free of grease and dust. Clean surfaces with Zwaluw Cleaner. Zwaluw Fast Bond 2C adheres perfectly without the use of primer to most non porous substrates. Porous surfaces to be pre-treated with Zwaluw primer. Always test adhesion prior to application.

#### Paintability

Zwaluw Fast Bond 2C is paintable with water based and most 2 component paints. Synthetic paints can dry slower. We recommend testing compatibility with paint prior to application. When Zwaluw Fast Bond 2C is to be painted over (not necessary) we recommend sanding the adhesive and junction surfaces with Scotch-Brite. For an optimal result 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 Wipes.

#### Colour(s)

- Grey

#### 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 12 months when stored as recommended in original unopened packaging.

#### 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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