

Technical Data Sheet

Zwaluw Fix-O-Chem (Styrene Free)

2-component tension free chemical anchoring (styrene free)



Product Description

Zwaluw Fix-O-Chem is a two-component chemical anchoring system based on styrene free polyester resins for very fast anchoring with high firmness, hardening through chemical process. For anchoring dynamically stressed structures, building components, engineering equipment or scaffolding.

Benefits

- Quick processing
- Suitable for dry fastening and extremely high tensile strength
- The anchor works without stresses in the base material
- It can be used on all base material; particularly suitable for hollow materials, using the special plastic sleeve or for materials with weak consistency.
- 2 components in 1 cartridge
- No special caulking gun required
- Due to the absence of styren and to its low-odour, the resin can be easily used also in closed places.For rods M8 to M16 for concrete and M8-M12 for masonry
- For use in alkaline environments
- Service temperatures - 40°C to + 50°C for concrete and masonry
- Tension-free mounting

Applications

Zwaluw Fix-O-Chem was specifically developed for heavy-duty chemical anchoring of threaded rods, bolts and screws into both solid based as well as hollow substrates such as concrete, aerated concrete, lightweight concrete, masonry and stone used in indoor and outdoor applications, vertically and horizontally.
Zwaluw Fix-O-Chem can be used throughout the entire recommended period of use simply by replacing the application nozzle and securely closing the cartridge cover.

Directions Of Use

Drill the hole and check it's perpendicularity. Blow the hole with an appropriate pump blower (or compression air), clean the lateral surface of the hole with an appropriate steel brush, blow again in the hole until there is no dust and/or any residual material inside. We strongly recommend use of the steel brush to clean hole sides. Remove the pressure cup, screw on the mixer and insert the cartridge in the gun. Use protections for hands and face. Unscrew the front cup, pull-out the steel closing clip according to the following operations: 1) Insert the mixer in the eye of the plastic extractor. 2) Pull the extractor to unhook the steel closing clip of the foil. After that, screw on the mixer and insert the cartridge in the gun. Use protections for hands and face. Before starting to use the cartridge, eject a first part of the product, being sure that: 1) Trough the mixer (transparent) see that the flux of product is compound of the part A (white colour) end of part B (black colour). 2) The two components are completely mixed. The complete mixing is reached only after that the product, obtained by mixing the two component, comes out from the mixer with an uniform colour. Now the cartridge is ready to be used. Inject resin into the hole up to fill it 2/3rds. In hollow bricks use the plastic sleeve and inject the resin inside. 2) Before insert the rod, verify that the element is dry and free oil and other contaminants. Insert threaded stud turning back and forth to avoid presence of air in the fitted hole. 3) For the installation and the following anchor load phase, respect the open time and curing time detailed in the Application Guidelines. 4) Before to load the anchor, check the hardened product. 5) The cartridge can be used again after screwing the cup and replacing the mixer.



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Additional information

Application temperature		-5°C to +35°C
Base		Styrene-free unsaturated polyester resins
Curing time		20-360 minutes depending on temperature, download the Application Guideline and check "Table 2, minimum curing time" on page 3
Density		1,80 g/ml
Frost resistance during transportation		Up to -15°C
Temperature resistance		-5°C to +35°C
Usage	SF	Fill opening up 1/3 to 1/2 with Zwaluw Fix-O-Chem

These are typical values

Limitations

- Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene and bituminous substrates

Surface Preparations and Finishing

Before using the Zwaluw Fix-O-Chem (SF) refer to the Health & Safety Sheet. Surfaces must be dry, clean and solid. Always test adhesion prior to application. For further information download the Application Guideline available on the Zwaluw Fix-O-Chem (SF) product page at www.denbraven.com.

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)

- Grey

Packaging

- Cartridge

For product specifications, please refer to the Product Detail Page

Shelf Life

In unopened original packaging between +5°C and +25°C, shelf life is up to 18 months from production date, stored in a dry place.

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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