



Den Braven

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.

KEY 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.

DIRECTION FOR 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) Through 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.

TECHNICAL SPECIFICATIONS

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	Up to -15°C
Temperature Resistance	-5°C to +35°C
Usage	Fill opening up 1/3 to 1/2 with Zwaluw Fix-O-Chem (SF)

These are typical values

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.

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.

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.