

# Syntech Profix

## Two-component polyester-based chemical anchoring for quick fasteners



A two-component paste with a polyester resin base for the rapid realisation of structural fasteners and anchors for inserts and connectors in general. This quick-setting resin (which hardens in just 6 minutes at 20° C) facilitates the use of metal inserts a mere 2.5 hours from installation.

**CUSTOMS CODE:** 3907 7000

**COMPONENTS:** Single-component

**APPEARANCE:** Paste

**AVAILABLE COLORS:** Amber

**PACKAGING AND DIMENSIONS:** Bi-mix cartridge 400 cc - Box: 12 x (Bi-mix cartridge 400 cc)

## FEATURES AND BENEFITS

Syntech Profix is a system that is easy and quick to use that provides high performance in terms of penetration, adherence and mechanical resistance. In particular, in concrete, natural stone, full and hollow brick works etc., the resin Syntech Profix, permeates the porous systems that delimit the perforation, allows the achievement of very high admissible loads, adjustable and scalable through variations of the fastening element, the anchor depth and so on. Syntech Profix is packaged in a two-compartment cartridge, whose special tip mixes the two components directly during extrusion, activating the polymerisation reaction instantly.

## FIELDS OF APPLICATION

Fixing of connectors, bars, plates, metallic structures, fencing, shutters, gates, shelves, reinforcing rods etc., in different types of media, with particular effectiveness in the presence of concrete, natural stone, bricks, drilled (through the perfo sleeves) etc.

## ALLOWED SUPPORTS

Concrete - Prefabricated concrete - Wood - Fiber-cement - Bricks - Tuff - Mixed walls (bricks and stones) - Brickworks - Stone walls - Floor screed - Rock walls

## PREPARATION OF SUPPORTS

The application surfaces should be clean, free of incrustations, crumbling and non-adhering parts, dust etc.



## MODE OF USE

The following accessories are provided for easy use of the cartridges Syntech Profix: - Gun for resins in a cartridge with rack-and-pinion piston. - Perfo sleeves (only for hollow masonry and perforated blocks) - Spout mixer for two-compartment cartridges (mixing tip) Extrude Syntech Profix in the required quantity in the fastening seat. Attach the metal insert to be anchored within a few seconds after the extrusion. Do not touch the insert for any reason until the ascertained hardening of the resin.


## APPLICATION METHODS


Apply by hand - Dispensing gun


## TOOL CLEANING


Nitro thinner


## KEY FEATURES


 Density: 1.67 - 1.77 kg/dm<sup>3</sup>


 Shelf-life: 12 months

 Temperature of use: +5 / +30 °C

 UV-resistant

 Pot-life: 4-20 s

 Solvent-based product

 Use wearing protective gloves

## CONSUMPTION

Approximately 1.72 kg of Syntech Profix for each cubic decimetre of volume to be filled (variable according to the conditions of use).

## STORAGE AND CONSERVATION

Protect from freezing. Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Inadequate storage of the product may result in a loss of rheological performance. Store the product at a temperature between +5°C and +35°C.



## PHOTO GALLERY



## SPECIFICATION ITEM

Structural mountings of reinforcing bars and rods, plates, shelves, metal structural works etc, will be realised with the specific two-component polyester resin, in two-compartment cartridge, Syntech Profix by AZICHEM srl, for a variable consumption according to the use.

## ADDITIONAL CONTENT



### Information and parametres for application



## WARNINGS AND PRECAUTIONS

Please note that despite Syntech Profix being composed of two components (two-component), in the header of this technical data sheet the product is presented as "monocomponent". The reason for this is that both components of the product are packaged together (single two-compartment cartridge), are inseparable and have only one Safety Data sheet which describes them both. The general information, along with any instructions and recommendations for use of this product, including in this data sheet and eventually provided verbally or in writing, correspond to the present state of our scientific and practical knowledge.

Any technical and performance data reported is the result of laboratory tests conducted in a controlled environment and thus may be subject to modification in relation to the actual conditions of implementation.

Azichem Srl does not assume any liability arising from inadequate characteristics related to improper use of the product or connected to defects arising from factors or elements unrelated to the quality of the product, including improper storage.

Those wishing to utilise the product are required to determine prior to use whether or not the same is suitable for the intended use, assuming all consequent responsibility.

The technical and characteristic details contained in this data sheet shall be updated periodically. For consultation in real time, please visit the website: [www.azichem.com](http://www.azichem.com). The date of revision is indicated in the space to the side. The current edition cancels out and replaces any previous version.

Please note that the user is required to read the latest Safety Data Sheet for this product, containing chemical-physical and toxicological data, risk phrases and other information regarding the safe transport, use and disposal of the product and its packaging. For consultation, please visit: [www.azichem.com](http://www.azichem.com).

It is forbidden to dispose of the product and/or packaging in the environment.

