

SYN.0094

## SYNTECH PROFIX

Two-component polyester-based  
chemical anchoring for quick  
fasteners

### Customs Code

3506 1000

### Dosage

3.88 unit /dm<sup>3</sup>

### Packaging

- Cartridge 400 cc

### Application

- Apply by hand  
- Dispensing gun

Family  
Syntech

Product Lines

- Building
- Infratech
- Opus

Type

Epoxy or polyester based adhesives and mortars

Functional Categories

- Reconstruction, repair and maintenance of wooden structures
- Osmotic waterproofing
- Repair and restoration of concrete structures with thixotropic mortars
- Block repair of concrete works with free-flowing mortars
- Fastening and anchoring metallic connectors, inserts and frames
- Structural precision anchoring

Components  
Single-component

Appearance  
Paste

## General description

Two-component paste, based on polyester resins, for quick structural mountings and anchorages of inserts and connectors in general. It is a rapid-hardening resin (it hardens after just 6 minutes at 20°C) that allows the use of the metal inserts after only 2.5 hours from installation.

## General features

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.

## Available colours


- Amber

## Basic features

 Pot-life:  
4-20 s

 Shelf-life:  
12 months

 Solvent-based product

 Temperature of use:  
+5 / +30 °C

 Use wearing protective gloves

 UV-resistant

## Tools cleansing

- Nitro thinner

## Applicable on

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



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Updated: 24/02/2018

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## Instructions for 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.

## Substrate preparation

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

## Storage and preservation

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.



## Information and parameters for application

Tempi e temperature di posa - <i>Setting times and temperatures</i>		
Temperatura resina (°C) <i>Resin temperature</i>	Tempo di indurimento <i>Gel time</i>	Tempo di utilizzo dopo .... <i>Cure time after ....</i>
5	20'	4h
10	10'	3h
15	8'	2,30h
20	6'	2h
25	5'	1h
30	4'	45'
Temperatura minima della cartuccia per l'applicazione +5°C - <i>Minimum resin temperature + 5°C</i>		

## Warnings, Precautions and Ecology

Technical and performance data outlined in this document are the result of laboratory testing conducted in a conditioned environment, as such they can result as considerably changed from operating and application conditions. The need follows to carry out preliminary tests in actual use conditions.

The user is required to check the product's most recent Material Safety Data Sheet, reporting physical-chemical and toxicological data, risk phrases and other useful information on how to safely transport, use and dispose of the product and its packaging. It is also reminded that the product and its packaging must not be dispersed in the environment for any reason.

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.

SYNTECH PROFIX is produced/distributed by



Via Giovanni Gentile, 16/A - 46044 Goito (MN), Italy  
info@azichem.com Tel. +39 0376.604185 /604365 Fax +39 0376 604398



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