

RNF.0094

SYNTECH PROFIX

Two-component polyester-based
chemical anchoring for quick
fasteners

Customs Code

3907 7000

Packaging

- Bi-mix cartridge 400 cc
- Box: 12 x (Bi-mix cartridge 400 cc)

Application

- Apply by hand
- Dispensing gun

Family
Rinfor

Product Lines

- Building
- Infratech
- Opus
- Floor

Components
Single-component

Type

Epoxy and polyester-based chemical anchors in a cartridge

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

Appearance

Paste

General description

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.

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.


Dosage


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


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.


Basic features

 Density:
1.67 - 1.77 kg/dm³

 Pot-life:
4-20 s


 Shelf-life:
12 months

 Solvent-based product

 Temperature of use:
+5 / +30 °C

 Use wearing protective gloves

 UV-resistant

 Available colours
Amber

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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

Substrate preparation

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

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.

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 - *Minimum resin temperature + 5°C*



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Warnings, Precautions and Ecology

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. 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.

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

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



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