



Family  
**Syntech**

Product Lines  
• Aqua  
• Infratech  
• Floor

Components  
**Two-components**

Type  
**Epoxy and polyurethane primers, treatments and coatings**

Functional Categories  
• **Protective, strengthening, polyurethane or epoxy coatings**  
• **Waterproofing chemical-resistant coating of sewing and digesters**

Appearance  
**Liquid + Liquid**

SYN.0104

**SYNTECH**  
**PAVISTRONG**

Two-component chemical-resistant epoxy coating

 **Customs Code**

3907 3000

 **Packaging**

- Pail 5 kg [A]
- Pail 10 kg [A]
- Pail 1.25 kg [B]
- Pail 2.5 kg [B]
- Kit: 1 Pail 5 kg [A] + 1 Pail 1.25 kg [B]
- Kit: 1 Pail 10 kg [A] + 1 Pail 2.5 kg [B]

 **Application**

- Brush
- Paint roller

## Certifications and legislations



### EN 1504-2

Products and systems for the protection and repair of concrete structures - Surface protection systems for concrete



### FOOD CONTACT COMPLIANCE



### CHEMICAL RESISTANT

Chemical-resistant product

## General description

A two-component coating with a modified epoxy resin base, specific for protecting concrete surfaces destined to be in contact with aggressive agents or for containing food products and drinking water. SYNTECH PAVISTRONG is certified according to EN 1504-2, for the protection of structures in reinforced concrete as well as for food contact, in accordance with the requirements of Ministerial Decree 21/03/73 and subsequent amendments.

## General features

SYNTECH PAVISTRONG is characterized by its excellent chemical resistance to aggressive exposure environments, to alkalis even at high concentration, to medium concentration acids and to the flow of liquids even containing solid suspensions. It is impermeable to water and chemically aggressive agents. It constitutes an effective barrier to the penetration of carbon dioxide and the carbonation of concrete. It is non-toxic, therefore suitable for contact with food and drinking water. It has excellent adhesion to concrete, steel, bricks, stone in general and various materials commonly used in construction. The fluid consistency makes SYNTECH PAVISTRONG fast and easy to apply both by brush and roller.

## Dosage

From 0.50 to 0.60 kg of SYNTYECH PAVISTRONG for each square metre of surface to be covered, for two coat applications (0.25-0.30 kg per single coat).

## Fields of application

Industrial concrete floors. Purification tanks for waste water and related technical rooms. Food tanks, pipes and containers. Digesters and plants for the production of biogas. Coating of canalizations and liquid containment tanks. Water treatment, purification and distribution plants. Containers of acidic and basic substances. Stables, milking rooms, veterinary rooms, slaughterhouses. Analysis laboratories, warehouses, raw material storage areas and production areas. Containers for accidental spills of petroleum products, chemicals and food products.

IF YOU WANT TO SOLVE IT  










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## Basic features

 Density: 1.34 kg/l	<b>A:B</b> Mixing ratio: 4:1 _
 Nonflammable	 Pot-life: 20-40 min
 Shelf-life: 12 months	 Temperature of use: +5 / +30 °C
 To be applied in two coats	 Use wearing protective gloves
 Available <b>colours</b> Gray / Red	

## Technical specifications

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<i>Adhesion by direct traction (UNI EN 1542):</i> 3 MPa
<i>Capillary absorption (UNI EN 1062-3):</i> < 0.01 kg•h <sup>0.5</sup> /m <sup>2</sup>
<i>Complete hardening:</i> 7 day
<i>Hard to touch (a 20°C):</i> 12 h
<i>Maximum humidity of the support:</i> 4 %
<i>Permeability to CO2 (UNI EN 1062-6):</i> 32100 m
<i>Permeability to water vapor (UNI EN ISO 7783-2):</i> Class III - Sd 140 m _
<i>Viscosity (UNI EN ISO 3219):</i> 16600 (± 500) mPas

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### Tools cleansing

- UNI solvent

### Applicable on

- Concrete
- Cement-based or lime-based mortars
- Prefabricated concrete
- Porphyry and natural stones
- Steel
- Bricks

## Substrate preparation

The support on which the resin system is to be laid must be suitable for withstanding the stresses resulting from the intended use, such as static or dynamic loads, impacts, thermo-hygrometric dilatations, vibrations, etc. As regards the characteristics of the substrate (maximum humidity, cohesion, strength class, flatness, etc.) and the preparation of the surface that will accommodate the resin system, we recommend the requirements set out in chapter 5 of the UNI 10966 standard ("RESIN SYSTEMS FOR SURFACES HORIZONTAL AND VERTICAL - INSTRUCTIONS FOR DESIGN AND APPLICATION "). In any case, carefully clean and degrease the surfaces, removing any kind of dirt, paint residues or incoherent parts. The humidity of the support must be <= 3%. Evaluate the most convenient type of mechanical preparation (shot peening, sandblasting, hydro-washing, etc.). The surfaces must also be free from discontinuity, and possibly leveled and regularized with products from the FLOOR line or the REPAR line. Apply by roller, brush or spray from 150 to 200 g / m<sup>2</sup> of SYNTECH PRIMER EP-W to consolidate the substrate and facilitate the adhesion of the subsequent coating. Apply SYNTECH PAVICROM when the primer is completely dry and no later than 24 hours from the end of its application. In case of presence (even suspected) of humidity deriving from capillary rising from the substrate, it is recommended to first apply the epoxy resin for "wet substrates" SYNTECH PAVIDAMP. Tiled floors, or floors covered with pre-existing resin, must be subjected to mechanical roughening carried out with shot blasting, milling, bush hammering, etc., until the total elimination of the waterproof crust and the opacification of the surfaces. Remove dust after abrasion.



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## Instructions for use

Thoroughly mix the two components in their respective containers. Pour the can of component B into the can of component A, mix thoroughly for 2-3 minutes. To obtain a perfect mixing use a mechanical stirrer or a suitable tool. The mixture of the two components must be spread within 20-30 minutes, in order to avoid hardening in the can itself. Note that the reaction rate depends on the ambient temperature (at 30 ° C it hardens in 15 minutes). Apply on the surface to be treated, in two coats, within the indicated times, for an indicative consumption of 500-600 g / m<sup>2</sup>. Do not take partial quantities from the packs to avoid any errors in the mixing ratio that would cause failure or incomplete hardening. Do not dilute the components or the mixture of the two components.

## 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.



## 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](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.



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SYNTECH PAVISTRONG 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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