



SYN.0105

## SYNTECH PAVICROM

Coloured epoxy coating for  
concrete flooring

### Customs Code

3907 3000

### Packaging

- Can 10 kg [A]
- Can 5 kg [A]
- Can 3 kg [B]
- Can 1.5 kg [B]
- Kit: 1 Can 10 kg [A] + 1 Can 3 kg [B]
- Kit: 1 Can 5 kg [A] + 1 Can 1.5 kg [B]

### Application

- Brush
- Paint roller



IF YOU WANT TO SOLVE IT

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Family  
Syntech

Product Lines  
• Building  
• Infratech  
• Floor

Components  
Two-components

Type  
Epoxy and polyurethane primers, treatments and coatings

Functional Categories  
• Construction of high performance industrial concrete  
floors  
• Protective, strengthening, polyurethane or epoxy coatings

Appearance  
Liquid + Liquid

## Certifications and legislations



### EN 1504-2

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

## General description

A 2-component coloured finish, with an epoxy resin base in aqueous dispersion. Ideal for the pigmented coating of industrial flooring and concrete products in general. Surfaces treated with SYNTECH PAVICROM are easy to clean and provide excellent resistance to mechanical wear, as well as having a high resistance to water, alkaline solutions, detergents and hydrocarbons (oils, diesel, petrol, etc.).


## Dosage

In two coats, apply 0.25 to 0.40 kilograms of SYNTECH PAVICROM per square metre of surface to be covered.


## Fields of application


For protective and decorative painting of concrete floors, reviving the colour of old resin flooring, wall plinth enamelling, and so on. Perfect for mechanical workshops, manufacturing industries, warehouses and factories generally in which special and high chemical and mechanical resistance are required.

## Basic features

 Density:  
1.15 kg/l


**A:B** Mixing ratio:  
1:0.3

 Pot-life:  
30 - 60 min


 Solvent-free


 To be applied in two coats

 Use wearing protective gloves


 Dosage:  
250 - 400 g/m<sup>2</sup>

 Nonflammable

 Shelf-life:  
12 months

 Temperature of use:  
+5 / +35 °C

 Use wearing protective glasses

 Available colours  
Agate grey / Flame red

## Technical specifications

Determinazione dell'aderenza per trazione diretta (Fh) (UNI  
EN 1542): 3 MPa

Determinazione della densità (UNI EN ISO 2811): Comp A 1.55 kg/l / Comp  
B 1.10 kg/l %

Capillary absorption (UNI EN 1062-3): < 0.021 kg/(m<sup>2</sup> • h<sup>0.5</sup>)

Complete hardening (a 20°C): 10 day

Dry residue (23°C U.R. 65%): 100 %

Hard to touch (a 20°C): 4 - 8 h

Permeability to CO<sub>2</sub> (UNI EN 1062-6): 2140 m

Permeability to water vapor (UNI EN ISO 7783-2): Classe II (12 m) \_

Resistance to abrasion (UNI 8298-9): < 150 mg

Time before second coat: 6 - 24 h

Viscosity (UNI EN ISO 3219): Comp A: 11300 / Comp B:  
8800 mPas

## Tools cleansing

- Water

## Applicable on

- Concrete
- Prefabricated concrete
- Tiles
- Floor screed

## 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-hygro-metric 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  $\leq 3\%$ . 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 apply in advance 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.

## Instructions for use

Mix component A and component B separately, directly in their packages, in advance. When applying, combine the two components into a single container and thoroughly mix for 2 minutes using appropriate equipment (trolling motor). To prevent any errors in the mixing ratio that would result in a lack of or incomplete hardening, do not extract partial quantities from the packaging. Next, pour component B into the container of component A. SYNTECH PAVICROM is applied with a "short-pile" roller within 24 hours after applying the primer. Add the dilution water: the first coat diluted with water at a rate of 10 ÷ 20% depending on the porosity, cohesion of the support and the temperature; the second finish must be diluted by 6 ÷ 11%. After adding the dilution water, continue mixing for a few minutes.

We recommend applying two overlapping coats of the product, at temperatures not lower than +5° C. The second coat must be applied within 24 hours. 3-5% by weight of quartz B0 or B1 (or hollow glass microspheres) can also be added to achieve a non-slip effect.

## 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. Protect from humidity. Store the product at a temperature between +5°C and +35°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](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.

*SYNTECH PAVICROM is produced/distributed by*



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