



SYN.0096

## SYNTECH PAVIDAMP

Three-component anti-humidity epoxy base, in aqueous emulsion

### Customs Code

3907 3000

### Packaging

- Pail 2 kg [A]
- Pail 2 kg [B]
- Pail 6 kg [C]
- Kit: 1 Pail 2 kg [A] + 1 Pail 2 kg [B] + 1 Pail 6 kg [C]

### Application

- Brick trowel
- Brush
- Paint roller
- Low pressure airless nebulizer

Family  
**Syntech**

Product Lines

- Aqua
- Infratech
- Floor

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

Functional Categories

- Osmotic waterproofing
- Waterproofing with hot-sprayed elastomeric coatings (100% pure polyurea)
- Protective, strengthening, polyurethane or epoxy coatings

Components  
**Three-components**

Appearance  
**Liquid + Liquid + Powder**

## 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 three-component formulation, with a fluid epoxy resin base in aqueous emulsion (A + B) to be mixed with the third component (C) consisting of white cement and micro-quartz, specially designed to be used as a primer for cementitious surfaces in the presence of humidity and in conditions of hydraulic counter-thrust. Generally referred to as "wet-bonding", it is particularly suitable as an anti-humidity barrier for the subsequent laying of parquet.


## Dosage

From 0.50 to 0.60 kg of SYNTECH PAVIDAMP for each square metre of surface to be covered.


## Fields of application


Building connection layers and smoothing cement surfaces; bottom layers for resinous coatings of floorings in the presence of damp subbases; anti-humidity barriers in concrete, brick and stone masonry; surfacings of porosity, cracks and superficial irregularities. As protection from rising damp for bases where operations with polyurea resins SYNTECH POLYUREA will be carried out.


## Basic features


 Density:  
1.60 (± 0.05) kg/l

 Min. recommended thickness:  
3 mm

 Pot-life:  
60 min


 Shelf-life:  
12 months

 Solvent-free

 Temperature of use:  
+10 / +35 °C

 Use wearing protective gloves

 UV-resistant

 Available colours  
White

## Technical specifications

Capillary absorption (UNI EN 1062-3): 0.02 kg/(m<sup>2</sup> • h<sup>0.5</sup>)

Complete hardening (a 20°C): 8 - 10 h

Compressive strength 10 days (UNI EN 12190): 46 N/mm<sup>2</sup>

Concrete adhesion (cutting test) (UNI EN 1542): > 2 N/mm<sup>2</sup>

Flexural strength 10 days (UNI EN 196): 12 N/mm<sup>2</sup>

Hard to touch (a 20°C): 35 - 45 min

Mixing ratio of the components (A:B:C): 1:1:3 \_

Permeability to water vapor (UNI EN ISO 7783): Class I \_

IF YOU WANT TO SOLVE IT  


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## Tools cleansing

- Thinner for resins

## Applicable on

- Concrete
- Prefabricated concrete
- 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. 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. 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

Prepare the mixture of the 2 liquid components (A+B), pouring the contents of the component B in the container of the component A. Mix with drill for about 2 minutes. Add the pre-dosed hydraulic binder (high resistance white cement) to the mixture A+B, and mix with a mixer drill. To disperse the product optimally, pour the powders (component C) a little at a time, continuing to stir with drill, until a homogeneous lump-free mixture is obtained.

If it is used as a base: dilute with 10-15% by weight of clean, soft water and apply with a roller or brush. Indicative consumption: 0.4-0.5 kg/m<sup>2</sup> on regular supports, 0.7-0.9 kg/m<sup>2</sup> on irregular supports.

If it is used for fine finishing coats: load the system A+B+C diluted with 10-15% of fresh clean water, with 60-70% spheroidal quartz (0.04-0.25 mm). Apply with steel trowel or plastering trowel. Indicative consumption: 1-2 kg/m<sup>2</sup>.

If it is used for medium finishing coats: load the system A+B+C diluted with 10-15% of fresh clean water, with 70-80% spheroidal quartz (0.1-0.5 mm). Apply with steel trowel or plastering trowel. Indicative consumption: 3-4 kg/m<sup>2</sup>.

## Storage and preservation

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.



## 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.

Do not apply the product on wet bases.

*SYNTECH PAVIDAMP is produced/distributed by*



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