

PAVILAND® EP AUTONIVELANTE

Coloured epoxy resin for the creation of self-levelling pavements.



DESCRIPTION

Coloured epoxy resin mixed with PAVILAND CUARZO 0,2 or PAVILAND CUARZO 0,3, it is used for the production of self-levelling pavements of low thickness (2 to 4 mm) and high resistance. This product for pavements is easy to apply and provides a very smooth and easy to clean finish. Waterproof in interior floors. Available in a wide range of colours. Among its different uses we can find the ones in food, chemical and pharmaceutical industry or even laboratories.

TECHNICAL CHARACTERISTICS

100% solid two components epoxy resin.

ADVANTAGES AND USES

- High mechanical and chemical resistance.
- Excellent adherence.
- Watery.
- High chemical resistance.
- Wide range of colours.
- Food industry: Milk or meat plants, etc.
- Chemical and pharmaceutical industry.
- Laboratories and aseptic rooms.
- Industrial kitchens.
- Garages.
- Warehouses with liquid spillage.
- Commercial areas.
- Event halls.
- Offices.
- Hygienic cleaning: non-porous surfaces which are easy to clean.
- Not strong smell.
- Low emission of VOC's.
- Low probability of getting yellowish

SUITABLE SUBSTRATES

- Concrete with suitable resistance (25N/mm² minimum compressive strength and 1,5 N/mm² resistance to traction) open porous and light roughness. Please consult our technical department when applying on a different type of substrate.
- Substrates must be resistant enough, stable, healthy and clean. Free of dust, release agents, organic products, etc.
- Before applying any product make sure all holes and / or cracks on the substrate are previously repaired by using products from our PAVILAND or MORCEMREST range.
- It is also advisable to carry out a milling or sanding process of the substrate with the main objective of opening the porous and removing any possible adhered materials such as greases, paints, etc.
- The substrate must be completely dried.
- First apply a primer such as Paviland Primer EP or Paviland EP Base (check the corresponding technical data sheets). The self-levelling layer should be applied before the primer has completely polymerized.

FLOORING

PAVILAND® EP AUTONIVELANTE

APPLICATION PROCEDURE

- Homogenize component A.
- Pour component B on top of component A and mix them with a suitable mixer at low speed, until getting a homogeneous product.
- Once the resin has been properly mixed, add the PAVILAND CUARZO arid taking into account the chosen granulometry 0,04-0,3 (P. Cuarzo 0,2) or 0,1-0,3 (P. Cuarzo 0,3), according to resin: arid 1/0,5 to 1/1 depending on the thickness and resistance required. Homogenize for two minutes.
- Spread the self-levelling product with the help of a dented trowel until getting a minimum thickness of 2 mm and a maximum of 4 mm. After 10 or 20 minutes, go through the area with a nylon roller uniformly to remove any occluded air and improve levelling.
- After 24 hours approximately, depending on temperature and moisture conditions, you may add a sealing layer of PAVILAND TOP PU with either dull or shiny finish, to improve the cleaning properties of the pavement, its aesthetic properties and its resistance to scratches.

RECOMMENDATIONS

- Do not apply it under 10°C.
- Do not apply it above 30°C.
- Do not apply under the risk of frost, rain, heavy wind or direct sun light.
- Use gloves and protective goggles when manipulating the product. In case of direct skin or clothes contact, clean the area with abundant water and soap.
- Keep away from children.
- Do not add any water to the mixture.
- The substrate must be completely dried.
- The product may suffer some colour changes when exposed to direct UV radiation, however, it does not affect its mechanical or chemical features.
- Any equipment and tools will be cleaned with water immediately after being used. Once the product gets hard, it will only be removed by mechanical means.
- Do not eat or smoke when manipulating the product.
- Empty containers should be removed or thrown according to the current legislation.
- As a consequence of the change in raw materials, the shades of the coloured mortars may vary slightly by batch.
- A preliminary test of the optimal resin-to-aggregate ratio is recommended, according to the required thickness and application conditions.

PACKAGING AND STORAGE

20 (15.8+ 4.2) Kg containers.

Store the product in its closed original package, in cool and dry places, away from direct sun light and under 10-30 °C temperature.

COLOUR RANGE

RAL 1003, 1015, 3009, 3013, 3020, 5012, 5015, 6001, 6018, 6021, 7001, 7032, 7035, 7037, 7038, 7040, 9005, 9016

FLOORING

PAVILAND® EP AUTONIVELANTE

TECHNICAL DATA

(Statistics results obtained under standards conditions).

Aspects	A: Coloured liquid - B: transparent - yellowish liquid
Approximate density of the mixture	1,45 Kg/dm ³
Ratio of the mixture (A:B)	79 : 21
Resin/arid ratio	1/0,5 a 1/1
Adherence to concrete	> 1,5 N/mm ²
Approximate performance	1,7 Kg/m ² y mm tickness(resin/arid ratio 1/1 self levelling product)
Classification according to UNE-EN 13813	SR C35 F20 B2.0 AR0.5 IR14.7

Time of application

	Temperature	Time
Life of the mixture	+30°C	20 min.
	+20°C	30 min.
	+10°C	50 min.
Initial curing		10 hours
Total curing		7 days
Time for pedestrian transit	24 - 48 hours/ temperature	
Time for light traffic		3 days
Time for heavy traffic		7 days
Waiting time before applying a sealing skin (last coat of the process)		24 hours
Drying time to touch		10 hours

Temps are given according to temperatures of 23°C and 55% relative humidity. Periods of time will be shorter at higer temperatures and longer at lower temperatures.

FLOORING

PAVILAND® EP AUTONIVELANTE

CE MARK

	
GRUPO PUMA ESPAÑA S.L. Avda. Agrupación Córdoba, 17 14014 CÓRDOBA 24	
PAVILAND EP AUTONIVELANTE Nº: 530052 EN 13813 Self-leveling mortar for screeds and floor finishes based on syntetic resin SR C35 F20 B2.0- AR0.5 IR14.7 for thickness from 2 to 4 mm.	
Reaction to fire	Clase C _{fl} -s1
Hardazous substances emission	SR
Compresive strength of concrete	C35
Flexural strength	F20
Abrasion resistance	AR0,5
Resistance to traction	B2,0
Impact resistance	IR14,7

LEGAL DISCLAIMER

The instructions for use are given according to our tests and knowledge and do not imply any commitment by GRUPO PUMA nor free the consumer from the examination and verification of the products for their correct use. Claims must be accompanied by the original packaging to allow a proper traceability.

GRUPO PUMA is not responsible, in any case, for the application of its products or constructive solutions carried out by the application company or other parties involved in the process and / or execution of the work, limiting the responsibility of GRUPO PUMA exclusively to the damages directly attributable to the supplied products, individually or integrated in systems, due to failures in their manufacturing process.

In any case, the drafter of the work project, the technical management or the person responsible for the work, or collaterally the application company or other parties involved in the process and / or execution of the work, must ensure the suitability of the products addressing the characteristics of them, as well as the conditions, support and possible pathologies of the work in question.

The values obtained by GRUPO PUMAS's products or its constructive solutions that, as the case may be, are determined by the EN standards or any other regulation that applies to it in each case refers exclusively to the conditions specifically stipulated in said regulation and that are referred to, among others, to certain characteristics of the support, humidity and temperature conditions, etc. without being them required in the tests obtained under different conditions, all in accordance with the relevant regulation.