



PAVILAND® EP MULTICAPA

Coloured epoxy resin for the creation of multilayer floors.

DESCRIPTION

Coloured epoxy resin, for the preparation of multilayer pavements of 2 to 4 mm thicknesses, great adherence and mechanical and chemical resistance. These kind of pavement products are easy to apply and have a great anti-slippery system. Suitable as cladding and sealing layer. 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.
- Easy to apply.
- Anti-slippery system.
- Coating and sealing coat.
- Wide range of colours.
- Waterproof.
- Food industry: dairy and meat processing plants, etc.
- Chemical and pharmaceutical industry.
- Laboratories and aseptic rooms. Industrial kitchens.
- Logistic areas. Garages.
- Manufacturing or storing areas with liquid spillage.
- Hygienic cleaning: non-porous surfaces which are easy to clean.
- No strong smell.
- Low emission of VOC's.
- Low probability of turning yellowish

SUITABLE SUBSTRATES

- Concrete with a suitable resistance (25N/mm² minimum compressive strength and 1,5 N/mm² resistance to traction) open pores and light roughness.
- Please consult our technical department for a different type of substrate.
- Substrates must be resistant enough, stable, sound and clean. Free of dust, release agents, organic products, etc.
- Before applying any product make sure all holes and / or cracks are previously repaired on the substrate 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).

FLOORING

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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.
- Spread a first coat using a metal trowel and immediately after sprinkle PAVILAND CUARZO 0,3, PAVILAND CUARZO 0,6 or PAVILAND CUARZO 0,7 aggregate until almost saturation according to the roughness required.
- Sweep or vacuum the surface 24 hours after the application to remove any spear aggregate and carry out the original process until getting the thickness required, being 2 to 4 mm the recommended one.
- Apply with a roller or a rubber trowel a sealing layer using the same product.

RECOMMENDATIONS

- Do not apply the product under 10°C, nor above 30°C temperature.
- Do not apply under risk of frost, strong winds, or direct sunlight. Use gloves and protective goggles when using.
- 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 solvent 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.

PACKAGING AND STORAGE

20 (15.8+ 4.2) Kg containers.

Store the product up to 1 year 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.

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TECHNICAL DATA

(Statistic results obtained in standard conditions)

Aspect	A: coloured liquid- B: yellowish transparent liquid.
Approximate density of the mixture	1,45 Kg/dm ³
Ratio of the mixture (A: B)	79 : 21
Adherence to concrete	> 1,5 N/mm ²
Shore hardening 7 days (*)	80
Abrasion resistance Taber 8 days (CS10/1000g/1000ciclos)	45 mg
Approximate performance	0,5 – 0,8 Kg/m ² per layer

(NOTE: Regarding direct contact with food, PAVILAND EP MULTICAPA is certified according to the global migration requirements stated in the R.D 847/2011, from June 17th, in which the positive list of substances permitted for the manufacture of polymeric materials intended to come into contact with food and EU regulation No. 10/2011 of 14 January 2011 on plastic materials and articles intended to come into contact with food have been stated.

Time of application

Life time of the paste	10-20 minutes
Initial curing	10 hours
Complete 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 of the same product	24 hours
Waiting time before applying a sealing skin (last layer of the process)	24 hours
Drying time to touch	10 hours

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

CE MARK

	
GRUPO PUMA SL Avd. Agrupación Córdoba, Núm.17 14014 (Córdoba) 18 Nº: 530050	
EN 13813 PAVILAND EP MULTICAPA	
Syntetic resin base colored cladding SR B2.0 AR0.5 IR14.7 for preparing multiplayer pavements of 2 to 4 mm thickness.	
Reaction to fire	Clase C _{fi} -s1
Hazardous substances emission	SR
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.