



PAVILAND® TOP EP

Very high-performance, coloured epoxy paint for industrial floor surfaces

DESCRIPTION

Two-component epoxy resin-based coating that results in a coating with high mechanical and chemical resistance on concrete or mortar floors. This flooring product has exceptional adhesion to the substrate, high abrasion resistance, and very good chemical resistance to fuels, oils, greases, and acids. Easy to mix and apply, its applications include industrial floors and warehouses, garages, or laboratories.

TECHNICAL CHARACTERISTICS

An epoxy resin and polyamide-based product.

ADVANTAGES AND USES

- Exceptional adhesion to the substrate. High resistance to abrasion.
- Very good chemical resistance to fuels, oils, greases, acids, etc.
- Easy to mix and apply.
- Prolonged application time.
- Surface hardener of the substrate. Industrial floors and warehouses.
- Garages.
- Laboratories.
- Chemical products factories.
- Hygienic cleaning: non-porous surfaces which are easy to clean.

SUITABLE SUBSTRATES

- Concrete or suitably durable self-levelling cement (minimum pressure resistance of 25 N/mm² and traction of 1.5 N/mm²), slightly rough with open pores. For other base materials, please contact our technical department.
- All base materials must be durable, stable, sound and clean, in addition to being free of dust, form release agents (e.g. paint stripper), organic products, etc.
- Prior to application, any imperfections and/or cracks that may be present in the base materials should be suitably repaired using our range of PAVILAND or MORCEM REST products.
- Milling and/or sanding of the base material is recommended in order to open the pores and de-scale bonded materials, such as grease, paint, etc.
- The base material must be completely dry and the concrete sufficiently matured, with a residual moisture level lower than 3%.

APPLICATION PROCEDURE

- Mix the separate A and B components.
- Empty component B onto component A and mix with an appropriate high-speed mixer until a uniform consistency has been obtained, subsequently adding the percentage of solvent specified below.
- Different percentages of EP PUMA SOLVENT should be added depending on the mode of application. Airless spraying: 2–5%. Air-spraying (spray gun): 10 – 15%. Brush: 10%. Roller: 5 %.
- Allow the mixture to settle for 5 minutes before using.
- Apply the first coat with a brush, short-haired roller, spray gun or airless sprayer.
- The second coat, at the previously-mentioned solvent percentage, should be applied 24–48 hours afterwards. Please note that these time periods are guidelines and may vary depending on the ambient temperature.
- The overall finish must be smooth and uniform. Irregular application of different product thicknesses may

RECOMMENDATIONS

- cause variations in the overall tone and appearance of the surface.
- Make sure the surface remains protected for at least 48 hours following application.
- Do not apply the product under 10° due to the potential resin crystallization.
- 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.
- Keep away from children.
- The substrate must be dry (less than 3% humidity).
- The product changes tone or may experience discolouration when used outdoors or exposed to UV radiation; hence, it is recommended for indoor use only.
- Low temperatures or intervals exceeding 48 hours between coats can cause coverage issues between coats.
- 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.
- It is necessary to always maintain proper ventilation in the application area.
- 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

Containers of 5 (4.1 + 0.9) and 20 (16.4 + 3.6) kg.
The product can be stored for up to one year in its original sealed containers, in a dry and well-ventilated area, at temperatures between 10°C and 30°C, and out of direct sunlight and protected from the elements.

COLOUR RANGE

RAL: 3013, 3020, 6001, 6011, 7001, 7037 and 9016. Other colours on request.

TECHNICAL DATA

(Statistical results obtained under standard conditions).

Appearance	Liquid
Approximate density of the mixture	1.35 kg/dm ³
Ratio of the mixture in weight (A: B)	41 : 9
Adherence to concrete	> 2 N/mm ²
Approximate performance	150 - 200 g/m ² and coat

Time of application

	Temperature	Time
Life of the mixture	+30°C	40 min.
	+20°C	90 min.
	+10°C	110 min.
Initial curing	18 - 24 hours/ temperature	
Total curing	7 days	
Time for pedestrian transit	24 - 48 hours/ temperature	
Time for light traffic	5 days	
Time for heavy traffic	7 days	
Time to repainting	24 hours, always before the subsequent 48 hours	
Drying time to touch	18 - 24 hours/ temperature	

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.

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.