

PAVILAND® TOP PU

Two-component aliphatic polyurethane paint with high weather resistance.



DESCRIPTION

Two-component coating based on aliphatic polyurethanes, quick-drying with high chemical and abrasion resistance. Available in shine or matte finish. It has excellent adhesion to concrete, mortar, epoxy resins, and polyurethane resins. It also exhibits high abrasion resistance and very good chemical resistance. This flooring product acts as a surface hardener for the substrate, providing good scratch resistance due to its toughness. Suitable for both interior and exterior floors.

TECHNICAL CHARACTERISTICS

Two-component product based on aliphatic polyurethanes.

ADVANTAGES AND USES

- Excellent adhesion to concrete, mortar, epoxy resins, and polyurethane resins.
- High resistance to abrasion.
- Very good chemical resistance. High covering power.
- Surface hardener of the substrate.
- Good scratch resistance due to its tenacity.
- High-quality industrial finishes.
- Chemical industry. Commercial premises.
- Interior and exterior surfaces.
- Epoxy resin floor sealer.
- Hygienic cleaning: non-porous surfaces which are easy to clean.

SUITABLE SUBSTRATES

- Concrete with a suitable resistance (25N/mm² minimum compressive strength and 1,5 N/mm² resistance to tensile strength) open porous and light roughness.
- Other substrates: natural and artificial stone, ceramic. For application on glazed ceramic, is it required a previous application of the PAVILAND PRIMER CERAMIC adhesion promoter.
- Substrates must be resistant enough, stable, sound and clean. Free of dust, release agents, organic products, etc.
- On cementitious substrates: 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 remove any possible adhered materials such as greases, paints, etc.
- The substrate must be completely dry, so the concrete must be cured enough.

APPLICATION PROCEDURE

- Homogenize components A and B separately.
- Pour component B on top of component A and mix them with a suitable mixer at low speed, until getting a homogeneous product.
- Apply a coat of PAVILAND TOP PU TRANSPARENTE BRILLO as a primer using a brush, short-haired roller, or airless. If the substrate is absorbent, add between 10 and 15% of DISOLVENTE PU PUMA. For non-absorbent substrates, apply undiluted. With this first coat, we help regulate and homogenize the substrate absorption.
- Apply one coat of the chosen PAVILAND TOP PU product (colour/transparent/gloss/matte) using a brush,

RECOMMENDATIONS

short-haired roller, or airless, mixing the components A and B. Dilute up to 5% with DISOLVENTE PUMA PU (SOLVENT) depending on the application type, if necessary. The second coat, undiluted, is applied within the time-frames indicated in the schedule available at the end of this technical data sheet. Please note that these time frames are approximate and depend on environmental features.

- The finish should be smooth and uniform. Uneven application or different thicknesses of the product might cause variations in the floor's tone.
- Protect the flooring during the next 48 hours after application.

- Do not apply the product under temperatures of 5° nor above 30°.
- 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).
- 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.
- On cementitious substrates, always apply the shiny version in the first coat and then the desired version (shine or matte).
- As a consequence of the change in raw materials, the shades of the coloured mortars may vary slightly by batch.

PACKAGING AND STORAGE

Colours: Containers available in 5 (4.1 + 0.9) and 20 (16.4 + 3.6) kg.

Colourless: Containers available in 4 (3.2 + 0.8) and 18 (14.4 + 3.6) kg.

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

Colourless and RAL: 3013, 3020, 6001, 6011, 7001, 7037 and 9016. Rest of colour range are requested under order.

TECHNICAL DATA

(Statistical results obtained under standard conditions).

Appearance	Liquid
Density of the coloured mixture	1,15-1,25 Kg/dm ³
Density of the colourless mixture	0.95-1,1 kg/dm ³
Abrasion resistance Taber 8 days (CS10/1000g/1000cycles)	140 mg
Adhesion to concrete	> 2 N/mm ²
Approximate performance	100 - 200 g/m ² and coat

Time of application

	Temperature	Time
Life of the mixture	+30°C	25 min.
	+20°C	50 min.
	+10°C	80 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, but always within 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.

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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.

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