

PLAM POL WATER (A+B)

Bicomponent water-based polyurethane resin

DESCRIPTION

Isoplam® Plam Pol Water A+B is a bicomponent (A + B), transparent and non-yellowing resin, made of polyurethane polymers and acrylic copolymers, for interior and exterior use which, once applied, hardens in contact with air. This product has an aqueous emulsion with low environmental impact, which does not release noxious fumes during use.

Isoplam® Plam Pol Water A+B protects the treated surfaces, forming a uniform water repellent film, resistant to dilute chemical solutions of acids and bases to UV rays and polluted industrial atmospheres.

CHARACTERISTICS

Isoplam® Plam Pol Water has the following characteristics:

- Excellent adhesion to most dry supports, if properly prepared;
- Good mechanical resistance to usury and scratch;
- Good flexibility;
- Excellent stability to light;
- Intensification of the color of the support.

FIELDS OF USE

Isoplam® Plam Pol Water A+B is used on several kinds of support:

- As a scratch-resistant and water-repellent finish for Microverlay® decorative surfaces;
- For protection of concrete, plaster, brick, limestone and silicate as well as cement surfaces;
- As a transparent protective treatment of quartz hardened industrial surfaces, to facilitate the cleaning process and to reduce the absorption of liquids.

APPLICATION

Preparation of the support

The surface to be treated must be clean and free of dust, oil and grease stains.

Apply on perfectly dry and ripe floors and walls (for concrete, wait at least 28 days, for Microverlay® wait a few days, depending on the environmental conditions), prepared by sanding or polishing. There should not be any sign of rising damp.

Preparation of the product

Pour Part B into Part A and slowly mix for 3-4 minutes with a low speed drill mixer (pay attention to incorporate as little air as possible: this will cause the creation of microbubbles during the drafting stages that will compromise the aesthetic and functional outcome of the resin); if necessary, dilute 5-10% with distilled water.

In the case of partial use of the package, the two components must be carefully dosed by weight (not by volume) in the proportions indicated on the label.

Application

Apply one or two coats using a brush, short hair or microfiber roller or Isoplam® Airless Pump. If you use a brush or a roller, take care not to create discontinuations or product accumulations. For the next coat, wait for the complete hardening of the previous coat. The surface will be walked on after at least 24-48 hours.

Notes

Isoplam® Plam Pol Water A+B cannot be applied on humid or wet surfaces, in presence of rising damp or if rain is expected within the next hours. It cannot be applied with cold weather, with temperatures below +10°C and a high degree of atmospheric humidity (> 70%). Overcoating, made after more than 48 hours, requires the sanding/polishing of the substrate with fine sandpaper.

TECHNICAL FEATURES

DESCRIPTION	
Product's physical appearance: Comp. A Comp. B Mixture A+B	Opalescent liquid Transparent liquid Transparent liquid
Appearance of the hardened film	Transparent
Dry residues % Comp. A (both glossy and matt) Comp. B	31±2 70±2
Specific weight at 20°C g/ml (MP01 method) Comp. A (matt) Comp. A (glossy) Comp. B	1,03±0,05 1,03±0,05 1,14±0,05
Viscosity C.F.2 20°C sec (MP04 method) Comp. A (matt) Comp. A (glossy) Comp. B	45±5 46±6 55±15
Pack. of 11 kg: Mixing ratio A+B (both glossy and matt)	100+10
23°C and 6% of H.R.: Dry to dust Dry to touch Complete drying	30-60 minutes 2-6 hours 5-7 days
Waiting time between each layer	First layer: 2 hours; second & third layers: 5-6 hours (depending on humidity and environmental conditions).
Useful application time at 20°C	Approx. 4 hours depending on environmental conditions

CONSUMPTION

According to the substrate absorption, the consumption can vary from 80 to 150 g/m² per each layer.

PACKAGING AND STORAGE

Isoplam® Plam Pol Water is available both glossy and matt in packages of 11 kg (component A = 10 kg, comp B = 1 Kg).

Store at temperatures between +10°C and +30°C. It fears the frost.

If properly stored, it keeps for 12 months in its original sealed packages.

Consult the Safety Data Sheet before use.

TOOLS CLEANING AND WARNINGS

Use water to clean tools.

The polyurethane resin may cause irritation: avoid therefore any contact with skin and particularly with eyes during use. Wear gloves, protective suit, closed goggles or face shield.

The products of Plam Pol Water A + B are intended for professional use only.

IMPORTANT:

The product PLAM POL WATER A+B is intended for the use as indicated above. Adding any other product will impair the final result. All information contained herein is based on the best practical experiences and laboratory research. It is the customer's responsibility to determine whether the product is suitable for the intended application. The manufacturer declines all responsibility on the results due to incorrect application of its products. The product shall always be tested on a small area before full scale application. This data sheet replaces all previous data sheets. ISOPLAM reserves the right to change the data on the data sheet at any time. PLAM POL WATER A+B is intended for professional use only. ISOPLAM provides frequent and on demand trainings for its customers. The use of ISOPLAM products without receiving the proper certification will be at the customer's own risk.