

PLAM POL WATER MONO

Single-component water-based polyurethane matt resin

DESCRIPTION

Plam Pol Water Mono Isoplam® is a transparent single-component anti-yellowing protective coating for interiors and exteriors use based on polyurethane polymers and acrylate copolymers which, after application, hardens on contact with air. It is a water emulsion paint with low environmental impact, it does not release harmful vapors during use.

Plam Pol Water Mono protects treated surfaces forming a uniform water repellent film, resistant to diluted acid and base chemical solutions and to ultraviolet rays.

CHARACTERISTICS

Plam Pol Water Mono has the following characteristics:

- easy to apply as it is single-component;
- good adhesion to most dry supports;
- good resistance to wear and incisions;
- good flexibility;
- light stability;
- slightly shades the color;
- does not release harmful vapors during use.

MAIN APPLICATIONS

Plam Pol Water Mono Isoplam® is used on various types of supports:

- as a water repellent finish for decorative surfaces on Microverlay® and on Oxydecor®;
- for the protection of cement and concrete surfaces, plaster, terracotta, natural stone and wood;
- as a transparent protective treatment of quartz dusting industrial floors, to facilitate cleaning and reduce the absorption of liquids and increase scratch resistance.

HOW TO USE

Support preparation.

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

Apply on perfectly mature floors and walls (for concrete at least 28 days, for Microverlay® a few days, depending on environmental conditions), prepared by sanding or polishing. There must be no rising humidity.

Product preparation.

Plam Pol Water Mono is ready to use. For porous substrates it can be diluted with 5-10% distilled water (mix with a low-speed drill mixer, taking care to incorporate as little air as possible: this would cause microbubbles during the laying phases that would compromise the aesthetic and functional outcome of the resin itself).

Application.

Apply with one or two coats using a roller or airless spray. For the second coat, wait until the first one is completely dry. If the second coat is applied 48 hours after the first coat, sand with very fine sandpaper before applying the second coat (carefully remove all dust beforehand).

The surface will be walkable after at least 24-48 hours.

Clean tools immediately after use with water.

Note.

Plam Pol Water Mono cannot be applied on damp or wet surfaces or in the presence of rising humidity and when rain is expected in a few hours.

We do not recommend the application of Plam Pol Water Mono on substrates that will be in contact with water (shower boxes, sinks ...): consult the Isoplam® Technical Office for a more suitable product to be used.

We advise not to apply in cold periods, with temperatures below + 10 ° C and with a high percentage of atmospheric humidity (> 70%).

Overpainting, carried out at a distance of over 48 hours, requires prior sanding of the substrate with fine sandpaper.

If used as a protective treatment for Oxidecor® substrates placed in a marine environment, the durability of the protection depends on the degree of corrosivity of the environment where it is installed and on the persistence and composition of atmospheric corrosion. If the product should be tampered with by any external event (contamination with other products, accidental falls, vandalism, scratches, etc.) the blocking of oxidation cannot be guaranteed.

TECHNICAL SPECIFICATIONS

DESCRIPTION	
Product physical appearance:	Milky liquid
Harden film aspect	Clear
Specific weight at 20 ° C g / ml (MP01 method)	1,05 Kg/dm ³
Brookfield viscosity at 23°C	896 cP
Abrasion resistance Taber (CS 17 stone 500 g, 1000 cycles)	20 mg
Harden time with UR 50% at 10°C at 20°C at 30°C	2 hours out of dust Repaint over: 30 hours 1 hour out of dust Repaint over: 24 hours 30 minutes out of dust Repaint over: 12 hours
Pot Life at 20°C	About 4 hours depending on the environmental conditions (the reaction of the product starts as soon as it comes into contact with air)

CONSUMPTION

concreativity

Based on the absorption of the support, it varies from 80 to 150 g / m² per coat.

PACKAGING AND STORAGE

Isoplam® Plam Pol Water Mono is available in 10 kg matt version.

Keep original packaging, sealed and stored in a protected place, expiration date on the packaging, last six digits of the lot number, month and year

Consult the safety data sheet before use.

SAFETY

Consult the safety data sheet before use. Plam Pol Water Mono is intended for professional use only. Always consult the Safety Data Sheet before use.

IMPORTANT:

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. Also note that ISOPLAM products are intended for professional use only. ISOPLAM provides recurring and on demand training for its customers. Use of ISOPLAM products without receiving the proper certification will be at the customer's own risk.