

# PLAM POL (A+B)

Bicomponent solvent-based polyurethane resin.

## DESCRIPTION

**Plam Pol Isoplam®** is a bicomponent (A + B), transparent, polyurethane and non-yellowing resin for interior and exterior that, once applied, hardens in contact with air.

Plam Pol protects the treated surfaces by forming a uniform water repellent film, resistant to acids and to chemical solutions, to UV rays and to polluted industrial atmospheres.

## CHARACTERISTICS

**Isoplam® Plam Pol** has the following features:

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

## FIELDS OF USE

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

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

## APPLICATION

### *Preparation of the support*

To be treated, the surface must be clean, free of dust, oil and grease stains.

Apply on perfectly dry and ripe floors and walls, prepared by sanding or polishing (for concrete, wait at least 28 days; for Microoverlay®, wait a few days, depending on the environmental conditions).

### *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); when applied with a roller, dilute the first coat with 40-50% of Isoplam® Solvent RP and the second with a 10-20% of Solvent RP.

In the case of partial use of the package, the two components must be carefully dosed by weight (and not by volume) in the proportions indicated on the label. The unused mixture must never be placed in closed packages but disposed.

### **ISOPLAM S.R.L.**

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**Application**

Apply one or two coats using a brush, a short hair roller or an airless spray.  
 If you use a brush or a roller, take care not to create a discontinuation or product accumulations.  
 To apply the next coat, wait for the complete hardening of the previous one.  
 You can walk on the surface after at least 24-48 hours.

**Notes**

Isoplam® Plam Pol cannot be applied on wet surfaces or when rain is expected within the next hours.  
 It cannot be applied during cold weather (with temperatures below + 10° C) and with 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:<br>Comp. A<br>Comp. B<br>Mixture A+B                         | Viscous yellow liquid<br>Transparent liquid<br>Transparent liquid |
| Appearance of the hardened film                                                             | Transparent                                                       |
| Dry residues %<br>Comp. A (both glossy and matt)<br>Comp. B                                 | 60±2<br>42±2                                                      |
| Specific weight at 20°C g/ml (MP01 method)<br>Comp. A (matt)<br>Comp. A (glossy)<br>Comp. B | 1,04±0,05<br>1,03±0,05<br>1,02±0,05                               |
| Viscosity C.F.4 a 20°C sec (MP04 method)<br>Comp. A (matt)<br>Comp. A (glossy)<br>Comp. B   | 70±7<br>80±8<br>28±4                                              |
| Mixing ratio A+B (both glossy and matt)                                                     | 100+100                                                           |
| With 20°C:<br>Dry to dust<br>Dry to touch<br>Complete drying                                | 30 minutes<br>50 minutes<br>90-120 minutes                        |
| Waiting time between each coat                                                              | 90-120 minutes depending on the environmental conditions          |
| Useful application time at 20°C                                                             | Approx. 120 minutes depending on the environmental conditions     |

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### CONSUMPTION

According to the substrate absorption, it varies from 80 to 150 g / m<sup>2</sup> per coat.

### PACKAGING AND STORAGE

Plam Pol is available both glossy and matt, supplied in cans of 10 kg (A + B). Store at temperatures between +10°C and +30°C. It fears frost and humidity. If properly stored, it keeps for 12 months in its original sealed packages. Consult the security sheet before use.  
A+B= 10kg package

### TOOLS CLEANING AND WARNINGS

Use Isoplam® Solvent RP in order to clean the 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.  
Consult the security sheet before use.  
Plam Pol A + B is intended for professional use only.

#### IMPORTANT:

The product PLAM POL 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 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.

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