

# PLAM POL SHOWER W (A+B)

Bicomponent water-based polyurethane resin

## DESCRIPTION

Isoplam® Plam Pol Shower W A+B is a varnish, particularly suitable for the protection of decorative surfaces that are often in contact with water.

It is a two component (A+B), transparent and non-yellowing resin, based of polyurethane polymers and acrylic copolymers, for both interior and exterior surfaces; once applied, it hardens in contact with air. This product has an aqueous emulsion with a low environmental impact, which does not release noxious fumes during use.

Plam Pol Shower W A+B protects treated surfaces creating a uniform waterproof film, resistant to chemical solutions such as diluted acids and bases, to UV rays and to polluted industrial areas.

## CARACTERISTICS

Isoplam® Plam Pol Shower W has the following features:

- Excellent adhesion to most dry supports, if properly prepared;
- Good mechanical resistance to wear and scratch;
- Excellent water repellency;
- Good flexibility;
- Excellent stability to light;
- It intensifies the color of the support.
- Has a low VOC content.

## MAIN APPLICATIONS

Plam Pol Shower W A+B Isoplam® is used on several types of support:

- As a scratch-resistant and waterproof finish for Microverlay® decorative surfaces, especially if in contact with water (bath rooms, shower stalls, ...);
- As a 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 and to reduce the absorption of liquids.

## USE

### *Support preparation*

The surface to be treated must be clean, dust-free and free of oil and grease stains. Apply on perfectly dry and ripe floors and walls (for concrete, wait at least 28 days, for Microverlay® and Skyconcrete® wait a few days, depending on the environmental conditions), prepared by sanding or polishing. Apply a coat of Deco Epox W BI, appropriately diluted, as a uniforming absorber and primer for the subsequent coats of Plam Pol Shower. Allow to dry.

### *Product preparation*

Pour Component B into Component 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 that will compromise the aesthetic and functional outcome of the resin); if necessary, dilute with 30% of distilled water.

In 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.

**Application**

Apply at least two coats of product using a medium-haired roller or microfibre roller or airless spray.

When using the roller, be careful not to break or accumulate the product because it could create white stains. It is advisable to proceed uniformly with a roller which is on average filled with resin and, with an unloaded roller, immediately pass over the still fresh resin in the opposite direction. It is recommended not to carry out the resining of the edges of the surface before then resining the center afterwards: this may cause unsightly bands of more accentuated color along the edges.

For the next coat, wait for the previous coat to dry completely (at least 6 hours).

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

**Notes**

Plam Pol Shower W A+B cannot be applied on wet surfaces, in presence of rising damp or if rain is expected within the following hours.

It cannot be applied with cold weather or with temperatures below +10°C and a high degree of atmospheric humidity (> 70%).

Do not use Plam Pol Shower W A + B to cover outdoor floors: consult the Isoplam Technical Office to find the most suitable protective coating.

Overcoating, made after more than 48 hours, requires the sanding/polishing of the substrate with fine sandpaper.

**TECHNICAL FEATURES**

| DESCRIPTION   |  |
|---|--|
| Aspect of the hardened film   | Matt<br>Glossy   |
| Dry residue A+B   | 57±1% when matt<br>54±1% when glossy   |
| Specific weight at 20°C (A+B)   | 1,00±0,05  |
| Viscosity Brookfield at 20°C sec (A+B) (ASTM D 2196 method)   | 35000±10000  |
| Brilliance at 60°C  | 30-40 Gloss when matt<br>80-85 Gloss when glossy                                     |
| Wear resistance (Taber ASTM D 4060 method)  | Loss of weight <20   |
| 10 kg package: Mixing ratio A+B   | 100 parts of A+30 parts of B when matt<br>100 parts of A + 41 parts of B when glossy |
| At 20°C and 50% of Relative Humidity:<br>Dry to dust<br>Overcoating<br>Dry to touch<br>Complete dry | 4 hours<br>6 hours<br>24 hours<br>7 days   |
| Useful application time at 20°C   | Approx. 120 minutes depending on the environmental conditions                        |

**CONSUMPTION**

Depending on the absorption of the support, the consumption varies from 80 to 150 gr/m<sup>2</sup> for each coat.

## PACKAGES AND STORAGE

Plam Pol Shower Isoplam® W A + B is available matt or glossy in the following packs:

- if opaque the packages are 10 Kg (A = 7.70 Kg; B = 2.30 Kg);
- if glossy, the packages are 10 Kg (A = 7.10 Kg; B = 2.90 Kg).

In original packaging, sealed and stored in a protected place with a temperature between + 10 ° C and + 30 ° C, the products remain unchanged for one year from the date shown on the package (the batch number indicates, in sequence, year / week / day). They fear frost and humidity.

## CLEANING OF TOOLS AND SAFETY

Clean the tools with clean water.

Polyurethane resin can cause irritations: avoid any contact with skin and especially with eyes during the use. Use gloves, a protective suit, goggles and a safety face shield.

Consult the Safety Data Sheet before use. The components of Plam Pol Shower W A+B are intended for professional use only.

### IMPORTANT:

**PLAM POL SHOWER W 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 SHOWER W 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.**