

# PLAM DENSIFIER

## Densifier and chemical hardener

### DESCRIPTION

Isoplam® Plam Densifier is a colorless solution that increases the hardness of superficial coatings of concrete floors under the stress of foot and vehicular traffic. Thanks to its formulation, it penetrates deeply in the surfaces to densify, harden, seal and make them more waterproof. This will make this flooring resist longer and require less maintenance costs.

### FEATURES

Isoplam® Plam Densifier:

- Develops internal links that densify the support, making it dustproof, resistant to abrasion and it reduces the water and oil absorption. The hardening process stops six months after the application of the product;
- Has a good resistance to salt, organic acids and fermented food;
- Reduces the formation of micro-cracking on the support;
- Is safe to use because it does not contain VOC and it does not release harmful substances;
- Can be applied also near food because there is no risk of contamination;
- Is odorless;
- Is colorless and it does not turn yellow over time;
- Resists to tire and shoes marks;
- Reduces the maintenance costs of the surface;
- Does not form a superficial film and does not change the anti-slip feature of the surface;
- Can be applied without vapor barriers, both indoor and outdoor;
- Gives to the floor a good glossy aspect that gets intensified over time (vetrified effect).

### FIELDS OF USE

Isoplam® Plam Densifier is suggested for all those floorings that are subject to vehicular traffic and forklifts in industrial context (production areas, warehouses, etc.), for floorings that are slightly in contact with chemical agents (purifiers, effluent treatment plants, etc.) but it is also appreciated in the civil context (in public and private places, such as schools, hospitals and houses, etc.) and in the commercial one (shopping centers, stores, etc.) for its great aesthetical aspect and the ease of cleaning.

### APPLICATION

#### Application on a new flooring.

Leave the industrial or nuvolato concrete flooring ripen for at least 7 days.

In case Isoplam® Antieaporante has been applied, wash the surface with diluted Isoplam® Plam Apriori.

Apply Isoplam® Plam Densifier (not diluted directly in the bucket), rubbing it with Isoplam® Monobrush with Isoplam® white or red sponge disc. Keep the surface wet continuing the rubbing for 30 minutes so that the product perfectly penetrates into the surface.

When the surface begins to become sticky (after 30 minutes), it is necessary to wet it slightly and to rub it again for other 5-10 minutes.

Rinse well the surface with clean water with a washer-dryer or high-pressure cleaner. Remove the excess water. If the surface is not well rinsed and the water removed, some whitish spots may appear.

Liquid residues are not toxic and can be disposed normally.

To the initial flooring protection (given that the complete hardening of it happens after 6 months), it is recommended to apply Isoplam® Metallic Wax (to avoid on very clear or very dark surfaces) or Isoplam® Antiolio (wait 28 days from the realization of the floor to apply it).

#### **Application on a ripe flooring.**

The surface has to be clean, without oils, resins, anti-evaporation products and waxes. Repair possible cracks. Isoplam® Plam Densifier does not cover stains or deteriorated parts.

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The application temperature should be between +5°C and +35°C. In case of very high temperatures, spray some water on the floor before the treatment. As soon as the water disappears, apply Isoplam® Plam Densifier

Protect possible glass, aluminium or lucidated materials because Isoplam® Plam Densifier can damage this kind of surfaces. Never leave the product dry out on the surface; wash the tools that have been used with water and soap.

Isoplam® Plam Densifier does not act on surfaces that are very porous, worn or on light weight concrete.

### **CLEANING AND MAINTENANCE OF SURFACES**

Wash often the flooring during the first months after the treatment with Isoplam® Plam Densifier with neutral cleansers (never acid cleansers). The cleaning will always make the surface more brilliant and easy to clean (the presence of humidity, given the frequent washings in the first months after the application of the product, accelerates the reaction of hardening).

In case of tile or shoes marks, use Isoplam® Pneumatic Remover. Remove as soon as possible oil and grease stains. If the surface will be in contact with oils, after the application of Isoplam® Plam Densifier and past 28 days after the realization of the floor, apply Isoplam® Antiolio.

Pay attention not to stain or to score the surface in the first weeks after the application of Isoplam® Plam Densifier (the product continues its action in the six months after, so in the first months the floor is more vulnerable).

It is better to test the product in loco to value the desired protection level.

### **CONSUMPTION**

On new surfaces: 200-250 g/m<sup>2</sup> according to the porosity of the surface.

On ripe surfaces: 250-300 g/m<sup>2</sup> according to the porosity of the surface.

### **PACKAGING, STORAGE AND SAFETY**

Plam Densifier Isoplam® is supplied in packagings of 20 Lt.

Store the product in the original containers in a dry and clean place at temperatures between 5 ° C and 35 ° C. Thus preserved it remains unchanged for at least 2 years. The packaging date is shown on the package (the lot number indicates, in sequence, year / week / day).

Isoplam® Plam Densifier is intended for professional use only.

Consult the safety data sheet before use.

#### **IMPORTANT:**

The product PLAM DENSIFIER 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 DENSIFIER 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.

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

Via E. Mattei, 4 – Z. I. Maser (TV) – Italia Tel. (+39) 0423 925023 www.isoplam.it  
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