

# PLAM DENSIFIER PLUS

## Nano densifier for interior surfaces

### DESCRIPTION

Isoplam® Plam Densifier Plus is a high performances transparent protective hardener for industrial floors, both with the cloudy effect or the polished ones. It is a superficial treatment with nano-molecules that forms a micro-film that hardens and seals concrete floorings, making the surface waterproof and very hard, dustproof and resistant to chemical substances.

### ADVANTAGES

Isoplam® Plam Densifier Plus:

- Compared to traditional sodium-based traditional densifiers, it does not required to be rinse, reducing a lot the application time;
- Resists to particular adverse conditions that characterize the most exigent commercial and internal industrial floorings (production plants, restoration structures and warehouses, etc.);
- Is suitable as a protection for civil floors in private homes;
- Does not change the color of the support;
- Hardens the concrete, making it resistant to dust, stains and oils, facilitating the maintenance and improving the light reflection;
- Has a low content of VOC (<50 gr/l), it is sustainable and is almost odorless;
- Simplifies the cleaning of the concrete, making the place less predisposed to the bacteria and mold;
- Is approved for the accidental contact with food;
- Guarantees excellent duration and adhesion force;
- Is resistant to UV, abrasion, chemical leaks and intense traffic;
- Offers a fast hardening and a pleasant brilliant and transparent finish that does not turn yellow;
- Thanks to its low viscosity, it penetrates fast and deeply in the concrete and does not form a film;
- Is applied on supports that require a high protection and minimum or absent inaction times;
- Does not change the friction coefficient of surfaces;
- Reduces the maintenance costs of the surfaces;
- Guarantees the breathability of the support.

### APPLICATION

Isoplam® Plam Densifier Plus can be applied on existent ripe concrete surfaces, excluding those surfaces that have been treated with Isoplam® Plam Acid or similar products (the surface may become whitish and may present the peeling effect).

Clean accurately all the surfaces. Remove mechanically efflorescences and stains or repair cracks and damaged areas. Remove all the membranes created by hardening compounds, sealers, oil, grease, dirt, dust, wall residues or other contaminating agents.

It is recommended to clean accurately the surface with an abrasive fine grain tampon and a PH neutral cleanser. It is not recommended to treat the surface with an acid solution because it would be necessary to rinse it with Isoplam® Neutra Clean Liquido to neutralize the surface correctly (if the surface is not neutralized, there may be a whitening of it). Remove the dust and the residues with a floor-washer using water or a broom, then rinse with water and remove it with an Isoplam® Squeegee. Do not use cleansers derived by citrus (d-limonene) or butyl compounds.

Let the surface to be treated dry very well.

Mix well the product before the application. Apply Isoplam® Plam Densifier Plus with an Isoplam® Wax Spreader, distributing a thin coat on the whole surface. Cover 15 – 40 mq with a liter according to the porosity of the surface. Repeat this step up to the desired result. Let every application dry for at least 30 – 60 minutes before the other one. Between one coat and the other, polish the surface with an Isoplam®

**ISOPLAM S.R.L.**

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green Twister Disc to improve its penetration. Do not exceed with quantities. It is necessary to apply many thin coats because, if it is too thick, it does not harden correctly and could bleach. Clean tools with water. Isoplam® Plam Densifier Plus is eco-friendly and it does not require a special disposing for harmful substances.

A moderate pedestrian passage is allowed after 30-60 minutes, the vehicular traffic after 2 hours.

In the next 7 days, the hardness and the resistance to spots will be very high. To obtain excellent performances, 14 days may be necessary, according to the temperature and the humidity.

During this period, do not let the water stagnate on the surface and remove possible puddles.

It is recommended not to wet the surface in the first 24 hours after the treatment and not to clean or wash the surface for 7 days, in order to avoid the risk of whitening or bleaching.

Avoid that Isoplam® Plam Densifier Plus get in contact with glass, woven, metal or a painted surface (if this happens, rub immediately the surface with a clean rag wet with water, than dry with another clean rag): protect all the surface that are not to be treated or that could be damaged by squirts.

Always test the product in loco to check the suitability of the treatment.

## MANTEINANCE

It is suggested to clean with a rag, wash and treat the surfaces with proper tools every day, using water and, if necessary, PH neutral cleansers (water is sufficient in most cases). Do not use acid cleansers or with butyl or derived from citrus (d-limonene) components. Even if Isoplam® Plam Densifier Plus is resistant to chemical agents and improves the reduction of spots, its application may corrode the surface in specific chemical places or in case of acid concentrations. A regular maintenance and cleaning of the surface will prolong the brightening. Remove as soon as possible possible chemical substances. Use a hard bristles broom or a mechanical sweeper to remove dirt and dust.

## TECHNICAL FEATURES

Shape: water solution, milky white

Total solid: 23%

Active ingredients: 100% of total solid

Specific weight: 1.09 PH: 11.5

Fill: yes

Inflammability point: none

VOC contents: >50 gr/l

Solidification point: 0°C

Abrasion resistance: excellent

Penetration depth: 2 - 8 mm

## PACKAGING, STORAGE, CONSUMPTION AND SAFETY

Isoplam® Plam Densifier Plus is supplied in tanks of 5 lt or 20 lt.

It fears the frost. If properly stored, it keeps for 12 months in its original sealed packages.

Consumption pre coat on an ideal surface (nuvolato effect/industrial flooring): 40 gr/m<sup>2</sup>.

Applied on a smoothed floor: 15 – 30 m<sup>2</sup>/lt (first coat). For the following applications: 30 – 40 m<sup>2</sup>/lt.

Consult the safety data sheet before use.

### IMPORTANT:

The product PLAM DENSIFIER PLUS 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 PLUS 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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