



c o n c r e a t i v i t y



PLAM DENSIFIER ULTRA PLUS

Antisalt nano densifier

DESCRIPTION

Plam Densifier Ultra Plus Isoplam® is a transparent coating, a hardening protection against salt, dust, water with high performances for concrete surfaces. It is a superficial treatment with nano-molecules that creates a microfilm that hardens and seals concrete floorings, for a very hard waterproof, dustproof and abrasion resistant surface.

ADVANTAGES

Plam Densifier Ultra Plus Isoplam®:

- Compared to traditional sodium-based densifiers, it does not require to be washed, reducing the application time;
- Can be applied both indoor and outdoor on several concrete supports (nuvolato, stamped concrete, architectural surfaces) and masonry;
- Is resistant to particular unfavorable conditions that characterize very exigent commercial and industrial realizations (different production plants, restoration structures, warehouses, etc.);
- Is a good protection for private houses, commercial areas (shops, showrooms, etc.) and public areas (parkings, streets, squares, etc.);
- Does not change significantly the color tone of the support;
- Hardens concrete, seals it and makes it waterproof, antisalt, resistant to dust, stains and oils, it helps the cleaning and improves the resistance to abrasion;
- Protects concrete from chloride iodide intrusion;
- Prevents the formation of efflorescences and the alkali-silica reaction, that is the aggregated alkali reaction with silica present in the concrete and with water to create a gel that may form crackings in the concrete (pop-out phenomena);
- Has a low COV content, it respects the environment and it is odorless;
- Simplifies the cleaning, preventing the proliferation of bacteria and molds;
- Is approved for the accidental contact with food;
- Guarantees excellent duration and strength of adhesion;
- Is resistant to UV rays, abrasion, chemical leaks and intense traffic;
- Has a fast hardening and a good brilliant and transparent finishing that does not turn yellow;
- Thanks to its low viscosity, it penetrates fast and more deeply in the concrete and it does not create a film;
- Can be applied also on those supports that require maximum protection and minimum/absent downtime;
- Does not change significantly the friction coefficient of surfaces;
- Reduces maintenance costs;
- Creates an insoluble chemical link, so that it does not attract or absorb humidity, making the surface more stable and without crackings;
- Guarantees the support transpirability.

PREPARATION OF THE SUPPORT

Clean accurately all surfaces. Remove efflorescences and stains or repair cracks or damaged areas. Remove all membranes created by hardening compounds, sealers, oil, grease, dirt, dust, chalk residues and other contaminating agents. It is recommended to accurately clean the surface with a fine grain abrasive pad and a neutral PH cleanser. We recommend not to treat the surface with an acid solution, because it would be necessary to rinse it with Neutra Clean Liquid Isoplam® to correctly neutralize the surface (a non-neutralization of PH may cause a whitening). Remove the dust and residues with a floor

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washer using water and a broom, then rinse with water. Do not leave water residue on the surface. The support must be humid.

APPLICATION

Mix well the product before the application. Apply Plam Densifier Ultra Plus Isoplam® with Isoplam® pump uniformly. Apply a sufficient quantity of product to keep the surface humid for about 20 minutes. If the area dries before, apply other product. If the application is vertical, spray the product from the bottom to the top. Apply when the temperature of the surface and of the air is between +5°C and +35°C; if the environment is too hot, dry or windy, wet the concrete before the application to prevent an instantaneous drying. If necessary, the treatment must be repeated after 3-5 minutes after the first application. Possible excess of the product may be distributed on the surface before the drying with a broom. Avoid the contact of Plam Densifier Ultra Plus Isoplam® with glass, textile, metal or painted surfaces (if this happens, clean immediately the surface with a clean rag with water, then dry with a clean rag). Protect all the surfaces that will not be treated from spurts.

The drying time is 1-2 hours. The surface will be walkable once that it is dry.

In case product residues may form after the drying, these may be removed with a hard bristles broom and with other mechanical machines. Tools must be always be cleaned with water.

Treated surfaces will have a brilliant satin coat. In 7 days, the hardening and the resistance will be excellent. The hardness, the resistance and the brilliancy of the surface will improve with time and a regular maintenance will highlight its brilliancy. Always test the product before application to check the suitability of the treatment.

Note: if applied on surfaces treated with Plam Acid Isoplam®, it is necessary that these are well neutralized with Neutra Clean Liquid Isoplam® to avoid whitening and the desquamation of the surface.

TECHNICAL FEATURES

Shape: aqueous solution, transparent with slightly amber tone

Active ingredients: 100% of total solids

Specific weight: 1.10

PH: 11

Flashpoint: N/D

COV content < 50 g/l

Frosting point: 0°C

Antislip resistance: it does not change the friction coefficient of the floor.

Depth of penetration: 2-8 mm according to the type of support

Conservation duration: one year in its original package

MAINTENANCE AND CLEANING

Possible stains on the treated surface must be removed as soon as possible.

We recommend to clean with a rag, wash and clean with specific machines using water and PH neutral cleansers. Do not use acid or citrus derived cleansers to clean the surface to avoid the corrosion of surface. A regular maintenance of the surface will prolong the duration and, with time, the brilliancy will improve.

PACKAGING, STORAGE, CONSUMPTION AND SECURITY

Packaging: tanks of Lt. 20 or Lt. 5.

The product fears the frost. If properly conserved in its original sealed package, the product is guaranteed for 12 months.

SUGGESTED CONSUMPTION on nuvolato/industrial floor: 100gr/m².

Given that the porosity of substrates and the application conditions may vary, Isoplam Srl is not responsible for any excessive consumption compared to the suggested one. To obtain precise consumption, test the product before application.

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IMPORTANT:

The product PLAM DENSIFIER ULTRA 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 ULTRA 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.