



PP-10/ PP-50

POROUS FLOORS



IDEAL TO PROTECT MINERAL FLOORS SUCH AS: EARTHENWARE, SANDSTONE, POROUS STONES, LIMESTONE, CONCRETE, TUFF, INTERLOCKING PAVERS, RAW MARBLE, GROUT FLOOR





The best eco-friendly protection

PP-10

PP-50

Ector® PP-10 is a nanotechnology water based formulation used to protect mineral floors such as: earthenware, sandstone, porous stones, limestone, concrete, interlocking pavers, tuff, raw marble, grout floor, etc...

Ector® PP-10/PP-50 have features similar to RP-10/RP-50 for vertical surfaces; the concentration of nanoparticles in Ector® PP-10/PP-50 is higher however, to allow the nano-treatment to withstand stronger stress to which the pavings are subjected such as repeated pedestrian passages or vehicular.

ECTOR® PP-10 DOES NOT CREATE A FILM,
BUT IT INVERTS THE SURFACE ENERGY
FROM ATTRACTIVE TO REPULSIVE.



The nanoparticles of SiO_2 (nano particles are as small as the millionth part of a millimeter) arrange themselves into the microporosity and create a two and three-dimensional structure at the nanometer scale, forming a FIELD OF LOW TENSION. Inverting the surface energy of matter from HIGH to LOW is very important because this prevents polluting agents (water, dirt, mold, bacteria) from penetrating into the substrate. These contaminants then, remaining on the surface, will slip away in the event of rain or can be removed very easily.

This system is unique because it does not affect the breathability of the porous materials and protects them optimally.

ECTOR® PP-50 HAS A HIGHER CONCENTRATION OF ACTIVE MATRIX TO FACE MORE CRITICAL SITUATIONS SUCH AS EXCESSIVE POROSITY OR HIGH TRAFFIC.

features and advantages

PP-10

PP-50

- For porous mineral materials both inside and outside.
- It does not create a film. It does not stop nor seal the surface, leaving it perfectly breathable.
- It is not a penetrating sealer, its application is extremely easy, therefore reduces the time and the cost of labor (one coat is sufficient).
- Prevents the formation of mold, moss, fungi because the treated surface is not submitted to infiltration of water, avoiding the vegetation to grow.
- Thanks to the lack of moisture there are no saltpeter reactions.
- Reduction of capillary raising damp.
- Eliminates water infiltration.
- Excellent floor grout protection.
- Protects against oil stains.
- Heat resistant (+450°C) and frost resistant (-35°C). UV stable.
- It does not change the appearance of the treated surface.
- Ector® PP-10 is solvent and odor free.
- Ector® PP-10 is ready to use and it can be applied directly on porous surfaces.
- Ector® PP-50 has the same features described for Ector® PP-10, but with a higher concentration of active matrix to face more critical situations (extreme porosity).



PP-10
PP-50

method of application

- Ector® PP-10: versatile and easy to apply
- Before the application, for cleaning, do not use cleaners with pH lower than 3 or higher than 12 (acute acids or at high-basidity). In case, rinse carefully the surface and neutralize it. Make sure that there are no residues.
- Ector® PP-10 is ready to use. The application has to be performed on a clean surface free of any residues of grease, mold, moss... To apply the product it is recommended the use of ordinary airless HVLP systems devices with nozzles of 0,5 -0,8 of diameter, because these allow to cover a greater area without dispersion of the product. Ector® PP-10 can also be applied by paint brush, paint roll or a brush, even if these methods require a greater amount of product.
- Make sure that the substrate is perfectly clean and free of any residues of any previous protective products (silicone products, or siloxane products) because their presence, even if in small parts (in patches) might inhibit the union of the nano-particles of Ector®
- Make sure to cover the surface evenly. If this is very porous, it is possible/recommended to perform a second coat within 2-3 minutes from the first application(wet on wet) avoiding the product to dry.
- In case of wide areas, proceed by applying the product on limited square meters. After the first contact, Ector® PP-10 goes straight inside the pores. The surface, once dry is protected, but the optimal protective effect is achieved 24 hours after the application (at room temperature of 20°C). We recommend to test the effect after this time lapse. The surface must be perfectly dry before being practicable.

INFILTRATION OF WATER. Ector® PP-10 solves in a definitive way one of the main problems in construction industry. This phenomenon often occurs due to excessive porosity or degradation of materials. Ordinary impregnating films, often fail because there is not a perfect bond between the protective product and the substrate itself (thermal shock = cracks). Ector® properties, working in atomic size, allow nano-components to join to the molecules that form the mineral matter of the substrate, manipulating it. Basically we can say that Ector® creates a “new surface matter”, with an added value. Even the smallest grain of matter does not attract, but rejects pollutants such as water, moisture, dirt.

method of application

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CONCRETE FLOOR JOINTS: Ector® PP-10/PP-50 is great to solve problems of dirt and infiltration. We recommend to wipe off immediately any spill of product out of the joints because it could be difficult to remove later on.

BALCONIES: Even on new or tiled balconies may occur water infiltration problems due to excessive porosity of the grout. Make sure there are no cracks or gaps, in the event, fill them with suitable cement, then protect with Ector® PP-10/PP-50. We suggest in these cases also the vertical protection of the perimeter, up to about 1 meter.

Further information and advices for the user:

Once the treatment has been applied, the cleaning will become easier. Hard dirt can be removed just using cleaner with a pH range between 2 and 10.

DURATION:

5-8 years with a correct application.

COVERAGE:

From 20 up to 30 square meters depending on the substrate level of absorption and on the method of application.

STORAGE:

At least 12 months in its original unopened package. The opened product must be used within 6 months.

STORAGE TEMPERATURE:

From +4°C up to +40°C.

PACKAGE:

Liter - Tank (5 -10- 20 liters) - Drum (200 or 1000 liters)





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Data sheet ECTOR® PP-10/PP-50 - v. 07/2015

The information contained in this data sheet is based on the best practical and laboratory. It cannot in any way imply a or liability regarding the use of our products, since the conditions of use are beyond our control. It is recommended , before using the product , to carry out practical tests that confirm its suitability for the intended use. The data can be changed at any time without prior notice.

