

ESTone.tex System for theming of stone, rocks, bricks, woods, etc...

Data Base EST-7

MATERIAL TYPE

EST-7: is a micro-nano dispersion in water (particle size from 7 nanometers) waterproofing-consolidating concentrated based on silane-modified silicixans, with prolonged effect against the microorganisms thanks to BioFilmStop technology, with penetrating action colorless, for waterproofing, conservation and strengthening almost all kinds of material mineral porous or absorbent and wood, indoors and outdoors throughout type of weather conditions.

PROPERTIES

As an effective protection against environmental influences and against causes and consequences of moisture. The micro-nano dispersion of EST-7 produces the water repellent effect of "dew pearls". After its dissolution in drinking water reacts in the building component to which it is applied, producing a hydrophobic zone, but allowing, however, at the same time, a full steam diffusion, and presenting excellent resistance against influence environmental and U.V rays.

It is stable to weather changes and rejects dirt. Protect against flowering of harmful hygroscopic salts for the building element, against the penetration of chlorides and against corrosion, acts against hatching of moisture from inside the walls. Another important function is to highlight and maintain the natural colors of the surface on which it is applied. Activates perspiration by drying wet areas, it is highly resistant to molds and algae to be a product treated with technology BioFilmStop. It is applicable on areas with humidity since it is transmitted through the water. Suitable for application in drills. against capillary moisture, request additional information.

BIOFILMS SANITARY TECHNOLOGY TOP: EST-7 is an intelligent water repellent treated with BioFilmStop Technology of inhibition and high resistance mushrooms and microorganisms, DIN-UNE EN 15457: 2008 (Aspegillus, Cladosporium, Penicillium, Algae ...) The products of the BioFilmStop range contribute to comply positively CE 852/2004, are manufactured with HACCP and under CE GMP 2023/2006, notably improving the HACCP, food safety and asepsis of the user industry. With Declaration of Conformity-Registry Sanitary FAKOLITH RGSEAA ES-39.005259 / T and ROESP E-0043-AND.

The water repellency effect is usually shown in the form of drops or pearls of dew. This type of visual effect is not the same for all surfaces, and will show visible especially on surfaces with medium pore size, tending to disappear in view on small pore surfaces (not at microscope, where this effect is visible). The drop effect itself not only depends on EST-7 if not the nature of the base and surface tension and in any case. It is not the main property of EST-7 because its main property with visible drop effect or without it, is the drastic reduction of water penetration, that only the surface of the treated base is moistened, so that the water runs.

VALUE Sd

Approximated $S_d = 0.02$, so that EST-7 do not negatively influences the correct curing of the base.

FIELDS OF USE

EST-7 is used as a means of protection for buildings, especially in rehabilitation and restoration processes, for the treatment of water-resistant facades and heritage, either as a final finish or as priming for the painting of the same, either in the case of paints silicate, casein or dispersion (breathable). Also for facades already attacked by molds, fungi or algae. Is particularly indicated for structures of concrete, where thanks as its penetrability and protection against humidity protects and inhibiting corrosion to the structures metallic internal, thus prolonging its useful life.

Adequate bases: can be applied on brick, expensive brick-view, stone natural, silica-calcareous, artificial stone, refractory brick, itong, concrete, plaster and mortar, wood, terracotta, flooring, ceramics in general ... and in general on all types of porous material. Especially recommended for its use in restoration of monuments and facades, excavations archaeological, and all material mineral absorbent in general. It is recommended highly its application after cleaning of the base, especially if it has been done with sand blasting, since the base is very receptive and unprotected.

Inadequate bases: any type of base polished without barely capacity of absorption (in this case EST-4 Extreme). Bases extremely alkalineas, or fresh cement (for this case use best EST-3 Plus). Natural rock bases interiors with internal rainwater leaching (function limited to influence of the leachate).

Delicate bases: In white mineral bases, bush-hammered stone, stones calcareous, and bases with little absorption capacity, if EST-7 it remains on the surface it can cause yellowish spots. To avoid it, we recommend using in these cases EST-4 Extreme.

ACTIVE SUBSTANCE	Micro-Nano microemulsionable dispersion in waterproof of Silano Siloxanes. Particle size from 7 nanometers.
CONTAINED VOC	Category: h (BA)Maximum 30 g / l VOC (Directive 2004/42 / CE).The product Concentrate contains 155 g / l VOC.To use(1: 7) contains 19.4g / l VOC.
DENSITY	Approximatelye 1.0.
POINT IGNITION	Greater than 25°C.
COLOUR	Between yellow and brown, colorless when drying
PREPARATION OF THE SUBSTRATE	To obtain adequate results a good penetration of the treatment is essential, and for this the base should preferably be dry and its pores should be completely clean, and there for free of salts, microorganisms, fats, releasing substances, repellent substances, waxes, remains of work, lacquers, etc. Although the product is mixed with water, technically it can be applied with moisture in the base, especially in certain cases of capillary moisture, but it will be necessary to take into account that the concentration or the hands to apply in these cases should be increased.
DILUTION	In general dillustrate the concentrate in drinking water in at a ratio of 1:14. For bases with capillary moisture, and for wood dillustrate the concentrate in water drinking in a proportion of 1:10. Important Note: Mix only the amount that you apply in a day, since the estable and applicable hard mix during 8-12 hours, past this time is not must apply. To obtain values equivalent to CE marking for Concrete 1: 6 in water.
MINIMUM CONSUMPTION	It depends fundamentally on the absorption capacity of the surface try. Find out the exact values lby previous tests. The average of consumption of the solution is approximately 250 ml / m ² although it may fluctuate between 100 and 500 ml / m ² . We recommend conducting a test in order to determine the consumption for each case.
APPLICATION	With brush, roller, pulverizador, or soaking without pressure and form homogeneous, 2 to 3 times, each time on the previous wet layer. The material diluted ready for use, did should be used within a period of 8 hours. The surface a treat must be prepared properly. After the application clean the utensils with water. Avoid remaining product remains on the surface, already that the dry remains of EST-7 that have not been absorbed by the base, cause yellowish spots. In case of less porous bases, remove with a cloth theremains not absorbed, before EST-7 dry on surface. If they dried remains insurface, they should be removed with the special cleaning solvent for EST-7, based on butyl acetate diglycol.
INJECTION IN WALLS HOLDS AGAINST INTENSE HUMIDITY	<p>A- First row of drills will be made 10 cm from the ground. The distance between they will be approximately 12 cm. Depending on the situation, and row of drills can be made, 10 cm from the first row and in ainterspersed with respect to this.</p> <p>B- Drill holes 2.5 cm in diameter, with an inclination of between 30° and 45°, ending approximately 5 cm from the end of the wal</p> <p>C- Fill the holes for a minimum time of 24 hours. Once dry the treated area can be covered holes. The minimum drying time it will be 10 days, which can last up to approximately 3 months, depending on the degree of humidity in which the surface.</p> <p>The consumption will oscillate between 20 and 30 l / m³, once dissolved the concentrate EST-7 in water in relation 1:14 = 15 liters of useful product.</p>

DRYING TIME

Between 4 and 24 hours after applied, if you wish you can already cover with silicate-based, dispersion, breathable paints ... depending on the room temperature. The hydrophobic and consolidating effect appears with more effectiveness from 2 to 5 days. After 3 hours from the application, the rain no longer harms the work done.

APPLICATION TEMP

From 3°C for environment and surface, ideal at 20°C and 60% humidity.

STORAGE

Up to 18 months in her containers hermetic, in a cool and dry place, with a T^a. nor lower than 5° C nor higher than 25°C. Protect the product against heat, avoid direct exposure of the containers to the sun.

PACKAGING

Plastic containers of 250 ml, 1, 5 and 10 liters.

SAFETY

For correct handling always follow the indications on the product safety sheet.

WASTE

Only completely empty containers will be available for recycling as packagings. The leftover liquid materials must be removed by a manager specialized in the same way as paint residues. The remains of material dry will be removed as hardened pintures or domestic garbage. In any case check and respect always the current legislation in force and applicable in each country or region.



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Oberflächenschutzprodukt – hydrophobierende Imprägnierung
EN 1504-2: ZA. 1a

Eindringtiefe	Klasse I: < 10 mm
Wasseraufnahme und Alkalibeständigkeit	Absorptionskoeffizient < 7,5 % im Vergleich mit dem unbehandelten Prüfkörper Absorptionskoeffizient 10 % < nach Eintauchen in Alkalilösung
Trocknungsgeschwindigkeit	Klasse I: > 30 %
Masseverlust nach Frost- Tausalz- Wechselbeanspruchung	NPD
Gefährliche Stoffe	NPD

LEGAL NOTE:

Comercialized by: ESTECHA REPRODUCCIONES S.L.

Made by:

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