

Painting SI

Silicate paint



Description

Outdoors / indoors use coatings specially formulated to apply over performed supports with lime or cement mineral mortars and consisting in mineral painting based on stabilized potassium silicate dispersion, according to DIN 18 363, paragraph 2.4.1 and reinforced with EPH DRY TECHNOLOGY, that it is a water-repellent compound based on silica particles reacting among them, forming a tridimensional reticle without blocking the porous allowing thus the water steam diffusion and creating a water repellent effect dragging the accumulated dust on the façade provoking an auto cleaning effect.

Properties

- Mineral matt surface with good adherence.
- Anti-mold.
- Breathable to water steam and very permeable to CO₂.
- Does not form skin.
- Reacts in an insoluble way with the support, consolidating it totally through micro-silicateing.
- Reduced tendency to dirtiness and high resistance to the passage of time.
- Fireproof, antistatic, not thermoplastic.
- High resistance to UV rays, to the industrial gases emissions and to the acid rain.
- Waterproof to rainwater, even a few hours after its application.
- Ecologic due to its properties and composition
- Without solvent additions.
- Applicable in all the mineral supports.

Workplace

The support has to be dry, healthy and clean and without any dust remains, liquid, spillings, etc... On old supports, the loose old paintings particles have to be eliminated with mechanical systems or with pressure water.

In addition, efflorescence wastes have to be eventually eliminated and any other substance that can damage a good adherence to the support. On repaired supports, with texture difference or with capillary fissures, a **Revex lime RS** (revoke silicate fine) layer will be applied.

The minimum 10 to 15 days has to be respected (until appearance of a unified tone without water retention stains) before applying the silicate painting over a new natural hydraulic lime finish, depending on the climatic conditions moment.

The surface is painted applying two painting passes.

Technical Information

Commercial denomination: PAINTING SI

Aspect: White or color consistent paste

Presentation: Buckets 5 - 20 kg. approx.

Binding base: Hybrid combination of potassium / acrylate silicate emulsion

Diluting: Silex first silicate max. 5%

Cleaning: Immediately after its use, with water

Finish: MINERAL MATT

Specific weight: 1.45 gr/m³

Ph: Approx. 11

Organic material content: <5%

Permeabilidad al agua (w): <0.10 [kg/(m²·h^{0,5})]

Colors: Color chart

Approx. Yield oer hand: From 5 to 8 m²/kg
(Consumption indicated is orientate, in any case an exact consumption has to be determined performing samples at the workplace)

Dry touch (20°C HR: 60%): 2 hours

Repainting (20°C HR: 60%): 12 hours

Application temperatures: Between 8 and 35°C

Storage: In a cool place, protected against frost and closed package. Protect with heat and direct sun impact.

Painting SI

Silicate paint

Enforcement

In order to improve the application and work speed in the silicate painting, the painting should be well stirred before using it, in a mechanical way and until its perfect homogenize.

To repair the surface, apply 1 pass as the base of the diluted paint with Primer if and water, in the following proportion: 1 part of Paint if, 1 part of water and 1 part of Primer if allowed to dry for at least 12 hours.

After this time, apply a single pass of the Paint if undiluted, diluted to a maximum of 5% with the primer as a finishing coat.

Do not apply the product on temperature lower than 8°C nor humidity superior to 80%.

Avoid painting over exposed surfaces a strong insolation.

Way of working

It has to be worked on complete panels and from wet to wet, (this point is very important for the paintings of silicate in an intense tone).

It is advisable to work with two people: one of them loads with painting with roller the surface to be painted and the other person before that this loading gets dry (two minute approx..) and combs with another roller avoiding leaving an excessive painting layer.

For a correct application, it is essential to comb the painting very well, distributing perfectly through the surface without leaving a too loaded layer.

Apply the painting from down to up to avoid the spouts.

Enforcement way

Wide brush (similar to those used in the past for whitewashing), short-haired cotton roller or ari-less spray gun.



Packaging

Buckets 5 - 20 kg. approx.

Color

Color chart

Consumption

From 5 to 8 m2/kg

Preservation

In a cool place, protected against frost and closed package.
Protect with heat and direct sun impact.



⚠ IMPORTANT

The observations and prescriptions of this technical sheet, even corresponding to our best experience, should be considered, in any case, purely indicative, and must be tested by exhaustive practical applications; Therefore, before using the product, whoever is going to do it must establish whether or not it is suitable for the intended use, and assumes any responsibility that may arise from its use. Once the product is handled or applied, the manufacturer will not assume any claim, nor will it be responsible for the form, mode and conditions of application.