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PIIRTO SILICONE RESIN COATING

CE



Product description

Fescon Silicone Resin Coating Piirto is an extremely weather-resistant, highly water-resistant and durable coating for both indoor and outdoor use. It is based on the latest binding agent technology and filler packets, combined with a new type of granulates. Fescon Silicone Resin Coating Piirto provides constant finish patterns on new plaster, concrete and fibre cement surfaces, and old, well attached coatings.

- Water-soluble
- Grain size 1.5 mm, 2.0 mm or 3.0 mm
- High diffusion, CO_2 permeable
- Good weather resistance
- Highly water-resistant
- High endurance of mechanical stress
- Very elastic
- Collects almost no dirt
- Extremely effective coverage, excellent colour brightness and light resistance
- Extremely easy to apply
- Alkali-resistant, hence not saponified
- Includes an additive that prevents the formation of mould and algae
- Large selection of colours, strong colours also included

Applications

- Concrete surfaces
- All plastered surfaces
- Fibre cement boards
- Firm old coatings
- For outdoor and indoor use

Instructions

Priming of concrete surfaces

Remove any poorly attached and flaking coatings and paints from concrete surfaces, for example by water sand blasting. Remove damaged concrete by chiselling, water sand blasting or milling, depending on the type and extent of the damage. Shape the cavities and clean any rusted reinforcement bars to grade St 2 or replace them with new ones. Apply Fescon Adhesive Plaster on the rebars and repair holes with Fescon Repairing Plaster. If necessary, overlay the repaired surfaces with Fescon Overlaying Plaster. Roughen the new concrete surfaces and clean them of cement paste, for example by water sand washing or steel brushing. The surface treatments can also be carried out during the element manufacturing. New concrete surfaces can be painted after a minimum of one heating season.

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Priming of plaster surfaces

Remove old poorly attached and flaking coatings and paints from plastering surfaces. Remove plaster layers that have become separated from their base, until you reach an undamaged plaster layer. Apply repair plaster in three or two layers or as surface plastering depending on the depth of the damage. Shape the structure of the surface plastering to match the original plaster surface. Take the composition of the old plasters into consideration while working. Allow places with deep plaster and new plaster surfaces to dry for 4-8 weeks before painting, depending on the conditions. When pretreating and painting bases containing asbestos, you must take the protective measures prescribed in the decisions of the government and the National Board of Labour Protection.

Mixing

Mix the coating before application

Test coating

Before beginning work, carry out a test coating to ensure the correct tint.

Priming

Prime with Fescon Silicone Resin Primer MC.

Coating

Apply the plaster to the wall, covering the entire surface, using a stainless steel trowel. Float immediately using a plastic trowel or a PU float using circular motions. You can also apply the product with a sprayer (nozzle size 6-8 mm) and leave the sprayed plaster untouched. The base must be dry. In order to avoid working seams, apply the coating to continuous façade surfaces using the wet on wet principle at the same time using the same product batch. If you must switch to a new batch, you must mix the old and new batches together. Thin if necessary with max. 2% water in order to improve workability.
During coating and drying, the air temperature must be at least +5°C and the relative humidity no more than 80%. If the product has been stored at a low temperature, the product must be temporarily stored at a temperature of around +20°C before working. Do not work with the product in direct sunlight or in high winds. Clean tools with water.

After treatment

The fresh coating must be protected from too rapid drying, frost and rain during the work and until it has dried entirely.

Service instructions

A dirty surface can be cleaned with a pressure washer. Remove any damaged spots and repair the holes. Repaint with Fescon Silicone Resin Paint. One treatment is sufficient for a cleaned, undamaged surface. Priming with thinned Silicone Resin Paint is also needed for damaged areas from where the paint has been removed or holes have been patched.

Waste handling

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Storage and handling of waste
See the separate storage and disposal instructions https://www.fescon.fi/en/material-bank

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Technical information

Material usage	2.0 – 4.0 kg/m^2 (1.5 mm – 3.0 mm)
Type	Liquid
Colour	Fescon colour chart tints
Tintability	Can be tinted
Gloss group	6 full matt
Maximum grain size	1,5 mm - 2,0 mm - 3,0 mm
Package size	25 kg container
Storage	Must be stored in a dry and cool but non-freezing location at a temperature of +5°C...+25°C. The maximum allowed storage temperature +25°C must not be exceeded.
Density	Approx. 1.85 kg/l
Lowest usage temperature	+5°C
Drying time	Depending on conditions, dries through in 1 - 2 days per mm of thickness
Pull-out strength	≥ 0.5 MPa
Water permeability	W_3 low
Relative air humidity	Less than 80%
Carbon dioxide diffusion resistance	Approx. 110
Water vapour resistance	Sd value V_2 (average level)
Thinner	Water
VOC content	< 1 g/l 30 g/l EU limit value for the product cat. A/g 30 g/l (2010)

Limitation of liability, product use notes and restrictions: Please familiarize yourself with Fescon Oy's general terms of delivery and the design and work instructions related to the product.