Hämeenkatu 9
05800 HYVINKÄÄ
Tel. 020 789 5900
www.fescon.fi

SILICONE RESIN PAINT



Product description

The Fescon Silicone Resin Paint is a first-grade, matte silicone resin façade paint that guarantees excellent protection against inclement weather. The Fescon Silicone Resin Paint permeates water vapour and carbon dioxide extremely well, but is still extremely water-resistant, low-tension, easy to apply, and economical.

- Water-soluble
- High diffusion
- High CO2 permeability
- Good weather resistance, high dirt and water resistance
- Does not form a film-like surface, and causes almost no tension
- Not thermoplastic, does not easily accumulate dirt
- Extremely effective coverage
- Extremely easy to apply
- Alkali-resistant, hence not saponified
- Includes an additive that prevents the formation of mould and algae

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.

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 a sufficiently long time before painting. Use a guideline of two days per plastered mm, depending on the conditions.
When pre-treating and painting bases containing asbestos, you must take the protective measures prescribed in the official regulations.

Test painting

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

Hämeenkatu 9
05800 HYVINKÄÄ
Tel. 020 789 5900
www.fescon.fi

Base coating and priming

For base coating, you can thin the paint using a maximum of 5% water. N.B. The paint mixture must be used within 24 hours of mixing. On highly absorbent and/or weak substrates, we recommend priming with Fescon Deeply denetrating primer. The Deeply penetrating primer can be diluted with water up to 30%.

Top coating

Use unthinned Fescon Silicone Resin Paint for the top coat. The base must be dry and clean. During painting and drying, the air temperature must be at least +5°C and the relative humidity no more than 80%. Apply the paint with a brush, roller or airless spray. Nozzle size 0.021-0.027". Paint continuous surfaces at same time. You should reserve enough paint to be able to paint continuous surfaces with paint from the same manufacturing batch. You should hide the working seams in corners, expansion joints or for instance behind drainpipes. If you must use paint from different manufacturing batches, you can use a 1:1 mixture of the old and new paint batches around the border. An extra layer of paint may be necessary with strong and bright tints. Clean tools with water.

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. Base coating is also needed for damaged areas from where the paint has been removed or holes have been patched.

Waste handling

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

Hämeenkatu 9
05800 HYVINKÄÄ
Tel. 020 789 5900
www.fescon.fi

Technical information

Material usage	Approx. 200 ml/layer/smooth surface/m^2
Type	Liquid
Colour	Fescon colour chart tints
Colour durability	B1 (according to BFS bulletin #26)
Gloss group	G_3 semi-matt < 4
Maximum grain size	S_1 < 100µm (fine)
Package size	12.5 l
Storage	Must be protected from frost. Do not store at a temperature of over +25°C.
Density	Approx. 1.55 kg/l
Lowest usage temperature	+5°C
Drying time	Dry surface approx. 6 h, paintable in 10 h, dried through approx. 3 days
Water vapour permeability	Sd value [m]: V_1 (high) < 0.14
Capillary water penetration	W value: W3 (low) < 0.10 kg/$m^2h^{0.5}$
Relative air humidity	Less than 80%
Carbon permeability	C_0 (no requirement)
Thickness of dry layer	E_3 100-200 µ0
Thinner	Water
VOC content	< 40 g/l (EU limit value A/c: 40 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.