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

PROTECTIVE PAINT

CE



Product description

Fescon Protective Paint is a water-soluble acrylate paint that protects concrete surfaces from carbonisation.
- Prevents carbon dioxide from penetrating concrete
- Prevents moisture from penetrating concrete
- Breathable
- Can be applied by rolling and spraying

Applications

- Concrete surfaces
- Surfaces treated with cement-based levelling or finishing plasters
- Suitable for use in maritime and industrial atmospheres

Instructions

Base

Remove old coatings and paint, for example by water sand blasting. Also roughen the new concrete surfaces and clean them of cement paste, for example by water sand washing or steel brushing. New concrete surfaces can be painted after a minimum of one heating season The water sand blasted surfaces must be overlevelled with a suitable Fescon plaster. 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. Overlevel the repaired surfaces.

Mixing

Mix the paint carefully before painting. When priming, the paint can be thinned with 5-10% water, if necessary.

Work instructions

Before beginning work, carry out a test painting to ensure the correct tint. Paint twice using a sprayer or a roller. The base must be dry, the air temperature must be at least +5°C and the relative humidity no more than 80%. Continuous surfaces must be treated in one go. 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. After the paint has dried enough to feel dry to the touch, you can paint the second layer. Clean tools with water.

Service instructions

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A dirty surface treated with Fescon Protective Paint can be cleaned with a pressure washer. Remove any damaged spots and repair the holes. Repaint with Fescon Protective Paint. One treatment is normally sufficient for a cleaned, undamaged surface. Two or more treatments are needed for damaged areas from where the coating 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

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Technical information

Material usage	0.2 - 0.5 kg/m^2, 2 applications
Type	Liquid
Colour	Light tones of the Fescon colour chart
Gloss group	6 (RT classification), matt
Package size	18 l
Storage	Paint must be protected from freezing
Density	Approx. 1.4 - 1.6 kg/l
Usage temperature	+5°C...+35°C
Adhesion strength	> 1.5 N/mm^2
Pull-out strength	> 1.5 MPa
Carbon dioxide diffusion resistance	$S_{d,CO2}$> 225 m, with dry film thickness of 150 µm (normally two applications)
Water vapour resistance	$S_{d,H2O}$< 0.5 m, with dry film thickness of 150 µm
Thinner	Water

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.