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OVERLEVELLING PLASTER YTL



Product description

The Fescon Overlevelling Plaster is a cement-based, polymer-modified dry mortar with additives, designed for concrete surfaces. The maximum grain size is 0.6 mm.

- Easy to use
- Excellent weather resistance
- Good workability characteristics
- Good grip on the base
- Spray-applied
- Separate adhesives not required
- Rubbable
- Chloride-free
- Supports thin-layer plastering
- Breathable
- Slow carbonation

Applications

- Finishing of repairs of concrete structures both indoors and outdoors
- Façade levelling and coatings

The product is listed in the portal for building products that can be used in Nordic Swan Ecolabelled buildings.

Instructions

Base

Repair deep cavities with repairing plaster (1.2 mm). Allow the patches to harden as long as possible before coating the entire surface. The surface of the patch must be as coarse as possible. You should not float the surface to bring the cement paste to the surface. Clean the entire base of loose dust and dirt, for example by pressure washing. The surface must be damp enough to be darker in colour before coating begins. The best time to wet the surface is the previous night.

Mixing

Refer to the bag for how much water the plaster requires. Add the dry material to the water and mix with a concrete mixer for around ten minutes. With a power mixer or a drill paddle, around one to two minutes of mixing is sufficient. Allow the plaster to stand for around ten minutes and mix it again for a short while. Find the correct consistency at this stage by gradually adding the rest of the water. We do not recommend adding all of the water right at the start. The finished plaster remains workable for around two hours.

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Work instructions

Spray the Fescon Overlevelling Plaster all around in a layer 1-2 mm thick. Level the surface if necessary. You should not float the surface to bring the cement paste to the surface. After the surface has hardened for at least a day, spray a second layer of overlevelling plaster, if necessary, into a layer about 1 mm thick. Level and float or brush the plaster into the desired profile. You should always carry out the finishing very carefully in order not to reduce adhesion to the base. The surface can also be left be unfinished after spraying.

After treatment

You must care for the coated area by spraying with water and/or protecting it with a plastic film. The need for aftercare depends on the conditions, and it should last at least 1-3 days.

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	1.8 kg/m^2/mm
Water requirement	3.6 - 4.4 l / 20 kg
Type	Powder
Colour	Grey
Maximum grain size	0.6 mm
Package size	20 kg
Storage	Storage time in a dry location approx. 1 year
Layer thickness	1-3 mm
Usage temperature	+5°C...+25°C
Workability time	2 h
Compressive strength	Approx. 20 MPa
Adhesion strength	> 1.5 MPa
Flexural bond strength	> 2.0 MPa
Shrinkage	Approx.1.2 ‰ (28 days prism)
Linear expansion coefficient	(1/°C) < 15 x 10^{-6}/°C
Carbonation	Approx. 7 mm (91 days, expedited test)
Water retention capacity	> 90%
GWP A1-A3	0,46
GWP unit	kg CO2e/kg
Method for calculating the GWP value	Generic

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.