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

FIBRE PLASTER FL



Product description

Fibre plaster FL is a cement-based thin rendering mortar for mineral substrates, suitable for both indoor and outdoor use. It is used on concrete, brick, lightweight concrete, and block surfaces, and serves as a reinforcing mortar in the Fescoterm thermal insulation rendering system and Fescopanel board rendering system. The maximum aggregate size is 0.6 mm, and the layer thickness on mineral substrates is 2–10 mm. The calculated consumption is approximately 1.5 kg/m^2 per 1 mm layer. The surface can be finished with Fescon Silicone resin coating, Fescosan-Coating, Facade coating JSP or painted with Fescon facade paints.

- Excellent adhesion to substrate
- Highly permeable to water vapour
- Sprayable or manually applicable
- Float finishable
- Excellent weather resistance

Applications

- Double plastering of concrete, lightweight gravel, lightweight concrete and brick surfaces and blocks
- Fescoterm thin plastering insulation system
- Fescopanel plate plastering system

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

Instructions

Hard base

Clean the entire base of loose dust and dirt. Wet the surface to be plastered until it is darker in colour before beginning the plastering work. The best time to wet the surface is the previous night.

Insulation plastering and plate plastering

Meshing of insulation plastering layer can be started after the adhesive mortar has dried. The insulation surface must be intact and straight. Any indentation is levelled, e.g. by grinding or cutting the surface of the insulation plate. Surfaces of insulation plates exposed to excessive UV radiation are sanded throughout. The insulation or plate surface to be plastered must be flat and without indentations, solid and dust-free.

Mixing

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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 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 (in a container).

Work instructions

Hard base

Spray the Fescon Fibre Plaster all around onto the base in a layer 4-6 mm thick. If you wish, you can also spread the plaster manually using a steel trowel. After the bottom layer has dried, the surface is levelled by applying a second mortar layer of 2 to 3 mm onto the fibre layer and by finishing it to meet the requirements of the coating or paint. If necessary, the plaster is reinforced with a glass fibre mesh of 7x7 mm^2, the correct placement is 1/2-2/3 outwards from the bottom of the mortar layer. If necessary, the angles of openings are also meshed. The joints of two different materials are always meshed. For coating, use Fescon Facade, Silicone resin or Fescosan-Coating.

Insulation plastering

Use alkali-protected fibreglass mesh as the plastering mesh. The first step of meshing is to install glass fibre mesh pieces and pre-formed corner reinforcements in the corners of the door and window openings. A layer of meshing is applied to the insulation plate with thickness of approximately 4 to 6mm, either with a mortar sprayer pump or manually. The glass fibre mesh is immersed in the fresh mass and combed so that it is even. The mesh layers must overlap at least by 100mm. After the bottom layer has dried, apply a second mortar layer of 2 to 3mm and finish it to meet the requirements of the coating or paint.

After treatment

Give aftercare to the plaster surface by spraying it with water. The need for aftercare depends on the conditions, and it should last at least 1-3 days.

Other points to note

- Avoid working in direct sunlight and in hot weather.
- However, the air and material temperatures must be above +5°C

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	9 - 14 kg/m^2/layer
Water requirement	5.0 - 6.0 l/25 kg
Type	Powder
Colour	Grey
Maximum grain size	0,6 mm
Package size	25 kg
Storage	In a dry location approx. 1 year
Layer thickness	6 - 9 mm
Lowest usage temperature	+5°C
Workability time	App. 2 h
GWP A1-A3	0,32
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.