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

LIME PLASTER K100/1200



Product description

Fescon Lime Plaster is an air entrained, lime-based dry mortar that can be mixed with water and cement on the worksite to get a lime cement plaster with good workability properties. With the Fescon special manufacturing method, the plaster has the good properties of the traditional wet plaster. The maximum grain size is 0.6-4.0 mm.The finished wet plaster is suitable for use in adhesion plastering or filling according to the amount of cement. Suitable for mechanical and manual application. Also available with other lime-to-sand ratios.

- Add water and cement according to the instructions
- Good workability properties
- Extremely weather-resistant
- Pumpable
- Breathable

Applications

- Burnt brick
- Lime-cement plastering
- Kahi-brick
- Insulation plastering

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

Instructions

Base

The brick surface and the plaster surface to be repaired must be clean and undamaged. Remove salt, dust, rust and compact cement paste, for example by water sand blasting. If necessary, wet a dry surface while retaining the absorption capacity of the base. Select the patching plaster grade according to the strength of the base. In deep patching, we recommend using coarse, so-called manual plasters. Allow the patches to harden at least for a couple of days before plastering the entire surface.

Mixing

Refer to the bag and the work instructions for how much cement and water the plaster requires. Add the cement into a small amount of water and mix it into a paste, dose the correct amount of basic plaster as volume fractions, add the required amount of water and mix it with a free fall mixer for around 10-15 minutes. 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. Every batch must be mixed in the same way. The finished lime-cement plaster remains workable for around 2-3 hours. Lowest usage

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

temperature +5°C.

Work instructions

Slam or spray the adhesive plaster tightly to the base so that it fills 90-95% of the base. The adhesive plaster must be allowed to harden for at least one day before filling. Apply the filling plaster with a plaster trowel or a pump. A suitable thickness for one layer of filler is around 15 mm. If the layer thickness exceeds 20 mm, the filler must be applied in several layers so that the previous layer has had time to dry for one to two days before the next layer is applied. In dry conditions, the base must be dampened. Screed the filler plaster with a board. You can also carefully float the surface with a wooden tool to level the surface.

After treatment

If necessary, you must remember the aftercare of the finished plaster surface, for example by spraying it with water.

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	3-6 kg/m^2 (adhesion) Approx. 30 kg/m^2 (fill to approx. 15 mm layer)
Water requirement	140-180 l/1000 kg
Finished compound	Approx. 600 l/1000 kg
Binder	Lime (after addition also cement)
Aggregate	Natural sand
Colour	Grey
Maximum grain size	0.6 mm, 1.2 mm and 4.0 mm
Package size	800 kg and 1000 kg
Storage	Storage time in a dry location approx. 1 year
Additives	If necessary, add aeration additives
Lowest usage temperature	+5^{0}C
Workability time	2-3 h from the addition of cement
Compressive strength	After the addition of the cement (in parts by volume): 1:4 approx. 20/80 1:5 approx. 35/65 1:8 approx. 50/50 1:10 approx. 60/40
Reaction to fire	A1 (non-combustible)
Frost resistance	Flexural and compressive strength do not decrease after 200 melt-freeze cycles
Water retention capacity	80 - 90%
GWP A1-A3	0,26
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.