Hämeenkatu 9
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LIME-CEMENT PLASTER KS 10/90



Product description

Fescon Lime-cement plaster KS 10/90 is a protectively porous lime-cement dry mortar with binding agent. The maximum grain size is 3.0 mm. The plaster is used as an adhesion plaster.
• Extremely weather-resistant
• Breathable
• Can be sprayed and applied manually
The minimum delivery batch is 1 large bag or 3 pallets of small bags.

Applications

• Burnt brick
• Sturdy lime-cement plastering
• Concrete surfaces
• Block surfaces
• Concrete block surfaces

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

Instructions

Base

The base and the plaster surface to be repaired must be intact and clean. Salt, dust, rust and cement adhesive should be removed, e.g. by water-sand blowing. The dry surface should always be wetted to be matte moist. However, the absorption capacity of the base must be maintained and no loose water must be visible. The quality of the repair patch mortar should be selected according to the strength of the base. The patches must be allowed to harden for at least 24 hours before plastering the surface evenly.

Mixing

Check the water requirement of the mortar on the labelling of the bag. Add the dry matter to the water and mix with a concrete mixer for about 10 minutes. With a forced mixer (flatbed mixer) and a drill whisk, mixing for 2 or 3 minutes is enough. 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 plaster remains workable for around two to three hours.

Work instructions

The adhesive mortar is beaten in place by hand or sprayed tightly onto the base so that it fills 90 to 95% of the base. Plaster usage is 3-6 kg/m^2. The adhesive plaster must be allowed to harden for at least one day before filling. The lowest usage temperature is +5°C.

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After treatment

Aftercare for adhesive mortar is water irrigation for 1 to 3 days.

Other considerations

- For pumping render mortars and vertical joint concretes with a maximum aggregate size of 3 or 4 mm, it is recommended to use a sufficiently powerful rendering pump with a minimum power output of 5.5 kW and a stator size suitable for 7 or 8 mm aggregates. The use of automatic mixing pumps is not recommended, as the mixing time in automatic systems is too short. This may negatively affect the solubility of the mortar admixtures and the performance properties of the mortar.
- Lime-Cement plaster in big bags is optimized for use with automatic silos. For small bags, we recommend a batch mixer or equivalent to ensure sufficient mixing power, an adequate maturation time of 10 minutes, and a short re-mixing before rendering.

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	6 - 10 kg/m^2 (adhesion)
Water requirement	3.5 - 4.5 l/25 kg
Finished compound	13 - 14 l / 25 kg
Maximum grain size	3 mm
Package size	25 kg and 1000 kg
Storage	Storage time in a dry location approx. 1 year
Density	1.84 kg/dm^3
Workability time	2-3 h
Reaction to fire	A1
Air content	Approx. 16%
Frost resistance	Flexural and compressive strength do not decrease after 200 melt-freeze cycles
Flow/plasticity	Hägermann 170 mm
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.