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LIME-CEMENT PLASTER HD KS 20/80 FIBRE



Product description

Fescon Lime-cement Plaster HD KS 20/80 is an air entrained, fibre-reinforced, lime cement based dry mortar with a low water absorption. Maximum grain size 3 mm (available to order in 1.2 mm grain size).
- Extremely weather-resistant
- Spray-applied or hand applied
- Breathable

Applications

- Fescoterm thick plaster insulation system for elements, seam plastering
- Fescoterm thick plaster insulation system for elements, filling plastering
- Thick plaster and thick plaster insulation system, done on-site
- Adjusting plastering indoors and outdoors
- Thick frame fills

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

Instructions

Mixing

Mix with a concrete mixer for around ten minutes; two to three minutes are sufficient with a power mixer. Let stand for ten minutes, and mix again for a short while. When using an automatic mixer, ensure that the amount of water does not get too high.

Work instructions

The temperature of the base and air must be at least +5°C when applying coating and this temperature must be maintained for at least 3 days after coating. The most suitable conditions for coating are temperature of +10°C to +20°C and windless cloudy weather. Apply the 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. The filling plaster is levelled with a board. Also, careful wood rubbing to level the surface is possible. It is not recommended to do plastering in direct sunlight or in windy weather. Plastering nets mitigate the risk of cracking when mortar is drying. The net should be used especially at the connecting points of various materials, cracks in old brick walls, for reinforcing openings and corners, and plastering of various block surfaces (Siporex, lightweight gravel, concrete). The correct position of the net in the plaster is 1/3 of the surface, however at least halfway outside. In dry conditions, the base must be wetted before applying a new layer of plaster.

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After treatment

Plastering must be protected with a plastic film or light spraying of water (the water must not flow) for at least one to three days. When the temperature is:
+20°C, protect the fresh plaster surface from rain and strong sunlight for one day
+10°C, protect the fresh plaster surface from rain for three days
+5°C, protect the fresh plaster surface from rain for seven 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.

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	1.4 kg / 1 mm layer
Water requirement	Approx. 4.2 l/25 kg
Finished compound	12 - 13 l / 25 kg
Type	Powder
Colour	Grey
Maximum grain size	3 mm (1.2 mm)
Package size	25 kg and 1000 kg
Storage	Storage time in a dry location approx. 1 year
Density	1.5 kg/l
Lowest usage temperature	+5°C
Workability time	1 - 2 h
Pull-out strength	>0.15 N/mm2
Reaction to fire	A1 (non-combustible)
Air content	Approx. 15%
Frost resistance	Frost-resistant
Capillary water penetration	W2 (EN 998-1:2010)
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.