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LIGHTWEIGHT LIME-CEMENT PLASTER KEV KS 35/65



Product description

Fescon Lightweight lime-cement plaster KEV is a lime-cement–binder render mortar containing mineral lightweight fillers, suitable for bonding, filling (base coat) and finishing (top coat) rendering. Grain size 3 mm also available to order (only in 800 kg packages). Minimum delivery 3 big bags.

- Good workability
- Good weather resistance
- Spray-applied or hand applied
- Even thick fills fast

Applications

- Brick, block and lightweight concrete surfaces
- Facade and interior wall plastering
- Thick fills, replacement for plaster
- Improving sound insulation
- Patching and adjustments

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. If necessary, wet a dry surface while retaining the absorption capacity of the base, the running water must not be visible. Use the same lightweight lime-cement plaster for patching. The patches must be allowed to dry sufficiently before the entire surface is plastered. Adhesion plastering is not required, but if it is done, it should be done with the same product.

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 three to five minutes. With a power mixer or a drill paddle, around one to three 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. Every batch must be mixed in the same way. The finished plaster remains workable for around two to three hours.

Work instructions

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Apply the filling plaster with a plaster trowel or a pump. A suitable thickness of one filling plaster layer is 10-60 mm in overlevelling and 10-100 mm in patching. If the required layer thickness is greater, do the work in several layers. In dry conditions, the base must be moistened with each filling. Screed the filler plaster with a board. You can also carefully float the surface with a wooden tool to level the surface. You can use plastering mesh to reduce the cracking risk caused by the drying of the plaster and cracks in the base. You should in particular use a mesh at the joints of different materials, as reinforcement near openings and corners, and when plastering Siporex surfaces.

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

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	Approx. 1.2 kg/m^2 with a 1 mm layer thickness
Water requirement	3.2 - 4.0 l/20 kg
Finished compound	10.4 - 11.2 l / 20 kg
Maximum grain size	1.2 mm (3 mm)
Package size	20 kg and 800 kg
Storage	Storage time in a dry location approx. 1 year
Density	Approx. 1.7 kg / dm^3
Workability time	2-3 h
Compressive strength	Approx. 5 MPa
Flexural bond strength	0.5 MPa
Reaction to fire	A1
Air content	Approx. 10-14%
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.