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MORTAR FOR TONGUE-AND-GROOVE BLOCKS PHL



Product description

Fescon Mortar for Tongue-and-groove Blocks PHL is a dry mortar for masonry of lightweight concrete blocks using a 5 mm seam. The maximum grain size is 1.2 mm. Fescon Thin seam mortar KVL Stone adhesive is used for the thin-jointing of sand-lime bricks.

- Easy to use
- Good workability characteristics
- Frost-resistant
- Low water absorption capacity

Applications

- For thin-joint masonry both indoors and outdoors

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

Instructions

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 ten minutes. With a power mixer or a drill paddle, around two 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. The finished plaster remains workable for around three hours.

Work instructions

The lowest working temperature is +5°C. The temperature of the stones must be above 0°C. Follow the instructions of the designers and official regulations in masonry work. National Building Code of Finland B5 and National Building Code of Finland B8, and RYL 2000 instructions.

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	0.5 kg/H-75 1.5 kg/UH-100…UH-150 2.5 kg/RUH-200…RUH-380
Water requirement	3.5 l / 25 kg bag
Finished compound	13 - 14 l / 25 kg bag
Type	Powder
Colour	Grey
Maximum grain size	1.2 mm
Package size	25 kg, 500 kg and 1000 kg
Storage	Storage time in a dry location approx. 1 year
Lowest usage temperature	+5°C
Workability time	3 h
Strength class	M 10
Nominal shear resistance	> 0.354 N/mm^2
Reaction to fire	A1
Heat conductivity	0.83 W/mK
Frost resistance	Frost-resistant
Water vapour permeability	μ 15/35
GWP A1-A3	0,16
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.