

Hämeenkatu 9
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FPTL-165 INDUSTRIAL MORTAR



Product description

Chemical-ceramic binding mortar for applications with a temperature of max. +1650°C.

- A mineral powder mixture based on bauxite and quartz
- Water glass as binder
- Heat resistance +1650°C



Applications

- Suitable for laying both chamotte and alumina-silicate bricks

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

Instructions

Work instructions

Add the dry material to the water and mix with a power mixer or a drill paddle for approximately four to five minutes. Allow the mixture to stand for approximately ten minutes and mix it again for a short while. By remixing, the correct plasticity of the mortar is sought by adding the final amount of water. It is not recommended to add the maximum amount of water right at the start.

After treatment

The plaster binds chemically in room temperature and ceramically at a temperature of appr. +700°C. Before the structure is brought into use, it is allowed to dry for 2 to 3 weeks with the hatches and dampers open. The first heating is performed carefully with a fan heater, for example. Heating is continued for the subsequent 3 to 5 days with a constant small fire. The hatches and dampers are left open after each drying heating.

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	app. 8 % / the weight of the bricks
Water requirement	app. 5 l
Type	fine-grain material
Colour	grey
Composition	Al ₂ O ₃ > 40%, SiO ₂ < 50%, TiO ₂ < 3%, Fe ₂ O ₃ < 2%
Maximum grain size	0,3 mm
Package size	25 kg bag
Storage	6 months in the original package in a dry place
Lowest usage temperature	+5°C
Workability time	8 hours +20°C

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.