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FESCORAPID



Product description

Fescon Fescorapid is a special cement-based, fast-setting and fast-drying, versatile repair mortar for floor, wall, and ceiling surfaces. Suitable for both indoor and outdoor use.

- For layer thicknesses of 2–20 mm
- Manually applied
- Can be covered after approx. 2 hours
- Easy to work with
- Paste-like consistency

Applications

- For patching holes and correcting slopes in concrete floors
- For repairing and levelling concrete stairs
- For repairing concrete surfaces, including walls and ceilings
- Suitable for both indoor and outdoor use
- Can be used in drains, water towers, and tanks where the repair mortar is in contact with cold potable water

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

Instructions

Base

- Concrete substrates
- The base is clean, solid and vacuum-cleaned
- Loose layers, cement laitance, and other impurities must be mechanically removed to ensure proper adhesion between the floor screed and the substrate.
- Smooth concrete surfaces should be coarsened
- The base have to sufficient strength, load-bearing capacity and immobility
- The tensile strength of the base must be > 1.0 MPa
- The temperature of the underfloor structure is > +10°C and relative humidity < 95% RH The relative humidity of the underfloor structure affects the setting of the floor levelling compound

Priming

- Priming is performed according to the instructions of Fescon Adhesive Promoter or Flow Primer, depending on the base
- Impermeable surfaces, such as ceramic tiles, epoxy and metal surfaces, are pre-treated according to the instructions for Fescon Primer PLUS
- No primers are used in outdoor installations. To prime the surface, wet it with water roughly an hour before applying Fescorapid. The surface should be matte there must be no puddles of water on the surface

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Instructions for use

- The work area must be completely protected from wind, draft, sun and rain.
- During work, the indoor temperature must be +10°C…+25 °C and the relative humidity more than 40%.
- A sack (20 kg) of plaster is mixed with 4.0–4.4 litres of cold water.
- Do not use any excess water, because it weakens the finishing plaster's strength properties, increases the risk of bleeding and extends the drying period.
- Mix into a smooth paste with a mixing paddle connected to a power drill.
- Working time is around 15 minutes from adding the water
- The finishing plaster is spread with a steel trowel on the surface to be levelled
- Wash the tools with water immediately after finishing work
- Remove dried levelling compound mechanically

Covering

- Fescorapid can be waterproofed directly with products from the certified Fescon Waterproofing system
- Can be covered with ceramic tiles, plastic coatings, textile mats, vinyl tiles, wood parquet or laminate, as well as cork
- Also suitable as a base for wooden floor that is glued in place.
- A layer thickness of more than 3mm can be painted or epoxy coated.
- However, it must be ensured that the levelling compound, concerning its technical properties, meets the requirements of the manufacturer of the floor covering and RYL for bases to be covered, with the entire structure in mind
- To dry properly, the finishing plaster requires a relative indoor air humidity of below 50% and temperatures above +20°C. Poor conditions compromise the strength of the finishing plaster and prolong the drying time

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. 1.5 kg/m^2/1 mm
Water requirement	4.0 - 4.4 l/20 kg
Type	Powder
Binder	Special cement
Aggregate	Limestone powder and natural sand. Limestone powder contains small amounts of quartz, but the weight content of alveolar quartz is less than 1%, so the product is not classified as harmful in terms of quartz.
Colour	Grey
Maximum grain size	0.6 mm
Package size	5 kg and 20 kg
Storage	Storage time in a dry location approx. 10 months / bag and approx. 12 months / container
Layer thickness	2 - 20 mm
Fibre	Not fibre-reinforced
Additives	Additives to improve workability, casein-free
Usage temperature	+10°C...+25°C
Workability time	Approx. 15 min
Coatable	Approx. 2 h (+20°C, RH 50%)
Walkable	Approx. 0.5 h
Strength class	C 30 (EN 13813)
Compressive strength	> 30 MPa (28 days, +20°C, RH 50%)
Adhesion strength	> 1.5 MPa to concrete (28 days, +20°C, RH 50%)
Flexural bond strength	F 5 (EN 13813)
Surface tensile strength	> 1.5 MPa (28 days +20°C, RH 50%)
Frost resistance	Frost-resistant, for indoor and outdoor use
pH	< 11 low-alkaline (hardened material)
Waterproofness	Water-resistant
GWP A1-A3	0,32
GWP unit	kg CO2e/kg
Method for calculating the GWP value	Generic

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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.