Hämeenkatu 9
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RAPID CONCRETE PB



Product description

Fescon Rapid Concrete is a dry concrete with an extremely rapid strength gain. The maximum grain size is 3.0 mm.
• Easy to use
• Extremely rapid strength gaining
• Good workability characteristics
• Good weather resistance
The minimum delivery batch of a 1000 kg package is 3 large sacks.

Applications

• Repairs of concrete structures both indoors and outdoors
• Casting of structures that must be taken into use rapidly
• Balcony repairs
• Casting of surface flooring

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

Instructions

Base

Clean the base of loose dust and dirt. Remove cement paste from concrete surfaces. Wet the dry base until it darkens. The best time to wet the surface is the previous night.

Mixing

Refer to the bag for how much water the concrete requires. Add the dry material to the water and mix with a concrete mixer for around ten minutes. With a power mixer, around one to three minutes of mixing is sufficient. Let the plaster stand for around five 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 concrete remains workable for around one hour.

Repairing

Moulds are constructed in such a way that the casting is as easy as possible to do and the mass can be compacted. Rapid concrete can be compacted by ramming or vibrating.

Floor surface casting

Spread the concrete on an undamaged and clean casting surface and compact it carefully. The recommended casting layer thickness is around 20 to 75 mm. Flooring can be laid after 4 to 7 days depending on the water amounts and drying conditions. During installation, take note of the moisture guideline values required by the flooring manufacturer and RYL.

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After treatment

The need for aftercare is considered on a case-by-case basis according to the purpose of use and drying conditions.

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	50 mm layer 90 kg/m^2.
Water requirement	2.9 - 3.2 l / 25 kg
Finished compound	12 - 13 l / 25 kg bag
Type	Powder
Colour	Grey
Maximum grain size	3 mm
Package size	25 kg and 1000 kg
Storage	Storage time in a dry location approx. 1 year
Usage temperature	+5°C...+25°C
Workability time	1 h
Compressive strength	C 30/37
Reaction to fire	A1
Exposure class	XF 1, XC 3, XD 1 (50v), XF 1, XC 3, XD 1 (100v)
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.