

Hämeenkatu 9
05800 HYVINKÄÄ
Tel. 020 789 5900
www.fescon.fi

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CORRO CONCRETE K 45



Product description

Fescon Corro Concrete K45 is a cement concrete for sites requiring tight concrete surfaces resistant to wear and corrosive substances. The maximum grain size is either 3.0 mm or 10.0 mm.

- Easy to use
- Frost-resistant
- Good workability characteristics

Applications

- Foundations and foundation bases
- Floors in industrial halls
- In acid soil
- Agricultural production building
- Concrete structure repairs and casting
- Jointing of prefabricated concrete elements
- Jointing of natural stones

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 concrete requires. Add the dry material to the water and mix with a concrete mixer for around three to five 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.

Preparations

Mould and reinforcement work is done according to the normal working methods and the instructions of the designers.

Casting

Casting work is done according to the normal working methods, the instructions of the designers and official regulations.

After treatment

You must care for the fresh casting by spraying with water and by protecting it with a plastic film that prevents excessive evaporation of moisture. The need for aftercare depends on the conditions. It should continue for at least two days.



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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	90 kg/m ² with a 50 mm layer thickness
Water requirement	3 mm 2.5-3.0 l/25 kg (available in 25 kg and 1000 kg bags), 10 mm 92-112 ml/kg (available in 1000 kg bags)
Finished compound	12 - 13 l / 25 kg bag
Type	powder
Colour	gray
Maximum grain size	3 mm or 10 mm
Package size	25 kg and 1000 kg
Storage	storage time in a dry location approx. 1 year
Lowest usage temperature	+5°C
Workability time	1 h
Strength class	C 35/45
Strength development	1 day approx. 10 MPa, 7 days approx. 40 MPa, 28 days approx. 50 MPa
Reaction to fire	A1
Exposure class	XF 4, XC 4, XS 2, XD 3 (50 years) XF 3, XC 4, XS 2, XD 3 (100 years)