

Hämeenkatu 9
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CEMENT CONCRETE S 100



Product description

Fescon Cement Concrete S 100 is a cement concrete suitable for the most common casting work in buildings. The maximum grain size is 10 mm.

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

Applications

- Foundations
- Stairs
- Foundation bases
- Floors

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 thoroughly. The mixing is usually done with a concrete mixer, but small amounts of concrete can also be mixed using a shovel. We do not recommend adding all of the water right at the start. Find the right plasticity by adding water during mixing. Do not add more water than the provided guidelines specify, because it reduces the strength of the concrete and increases its shrinkage. The finished concrete remains workable for around two hours.

Work instructions

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

Casting work is done according to the normal working methods and the instructions of the designers. The lowest usage temperature is + 5°C.

After treatment

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

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

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| Material usage | 90 kg/m ² with a 50 mm layer thickness |
| Water requirement | 2.5-3.0 l/25 kg |
| Finished compound | 12 - 13 l / 25 kg bag |
| Type | powder |
| Colour | grey |
| Maximum grain size | 10 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 | 2 h |
| Compressive strength | approx. 25 MPa |
| Reaction to fire | A1 |
| Frost resistance | frost-resistant |