

F3100

Properties:

F3100 is a ready-for-use, plasticised and fibre-reinforced dry mixture on a cement basis.

Particular advantages of *F3100*:

- achieves good adhesion on mineral substrates.
- is easy to apply (even overhead) and can be very finely applied.
- achieves an extremely smooth surface when being applied, felting and re-smoothing are unnecessary.
- is plastic fiber reinforced.
- is rapid setting.
- is low-chromate according to directive 2003/53/EG.
- can be applied with standard plastering machines (e.g. PFT G4 or Putzmeister MP25).

F3100 is suitable as fine filler for interior as well as exterior applications, e.g. for facing concrete cosmetics on walls and ceilings, for improving pits, cracks and pores in concrete, masonry and rendering mortar areas and for compensation of uneven walls.

Technical data:

Substance data:

Consistency	solid, powdery to granular	
Colour	grey, light grey or white	
Odour	odourless	
Bulk density	0.9 - 1.5 g/cm ³	
Solid content	100 %	
Maximum grain size	≤ 0.3 mm	
pH value	11 - 13.5	DIN EN ISO 10523
Processing temperature	5 - 30°C	substrate temperature

Hardened mortar properties:

Compressive strength		DIN EN 12390-3
after 1 day	approx. 8 N/mm ²	
after 7 days	approx. 16 N/mm ²	
after 28 days	approx. 28 N/mm ²	
Bending tensile strength		DIN EN 12390-5
after 1 day	approx. 2.1 N/mm ²	
after 7 days	approx. 3.7 N/mm ²	
after 28 days	approx. 5.8 N/mm ²	

Processing:

1. Preparation:

F3100 is a ready-for-use dry mixture. Simply water is added.

Before processing, the surface must be well cleaned and is watered up to saturation point. It must be ensured that any surface water and cement laitance has been removed. The capillary pores of concrete must be open.

2. Water requirement:

max. 22 % of water (max. 5.5 litre per 25 kg bag)

3. Mixing:

The required water quantity is filled in a mixing vessel. A slow-running hand held cement mixer (max. 300-400 rpm) with mixing paddle is recommended for mixing. 25 kg of *F3100* is added under continuously stirring until a homogenously mass has formed.

Mixing with a standard plastering machine is also possible.

Consumption: 25 kg of dry mortar yield about 15 litre of fresh mortar
approx. 1.6 kg/m² at a coat thickness of 1 mm

4. Application:

A layer of up to 6 mm can be applied in a single application stage. For corners and subareas larger layer thickness can be applied.

The surface can be reworked using a sponge board after approx. 60 minutes.

5. After-treatment:

Larger surfaces should be protected against premature evaporation. Fresh fine filler must be kept damp by means of suitable measures for example by "misting" using a sprayer or airless equipment.

Safety information:

F3100 contains cement and is classified as hazardous according to Regulation (EC) 1272/2008 (CLP).

It is therefore necessary, before beginning processing, to become familiar with the precautions and safety advice as indicated in the material safety data sheet.

Packaging:

25 kg paper bag
42 x 25 kg per pallet

Storage:

Shelf life at least 12 month in original packaging when stored in dry conditions between 15-25°C, protected from heat, frost and direct sunlight.

After the expiration the use of the product is generally not recommended, unless an approval has been provided by TPH. This approval can only be obtained by the quality assurance department of TPH releasing the material after verification of main properties being within specification.

Disposal:

Small quantities of cured product residues can be disposed of as normal domestic waste. Dispose of not cured product components must be effected in accordance with the corresponding local regulations. For further information please refer to the material safety data sheets.

**Legal notice:**

The correct and thus successful application of our products is not subject to our control. A guarantee can be issued for the quality of our products within the framework of our sales and supply conditions, however not for successful processing. All data and specifications in this specification sheet are based on the present state of the art and the right to changes and adaptations for the sake of development remains explicitly reserved. The consumption specifications designated by us can be only average empirical values, where deviations are possible on an individual basis and therefore cannot be excluded by us.

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