

FF WATERPROOFING Application Method

Preparation

1. Surface preparation

The concrete base or other floor bases must be clean, free of dust and grease. The base must be consistent, without loose particles and disaggregation. The base must be visually dry- but surfaces should be moistened before application. Cracks in the base should be repaired.

2. Recommended primers

Suitable FreeForm Primer, depending on the condition of the substrate on which the material is applied.

3. Installation tools

- Concrete Mixers- Pan or Drum Type - Horizontal or Vertical. Or electrical hand operated drill type mixer. Mixer must be clean and not cause contamination of the mixture.
- Screed bars to take level from the floor and screed material/ Laser Screed
- Hand Trowels
- Spike Shoes Metallic Spike roller with 10 mm fine spikes
- Wheelbarrow or dumper to transport material
- Spray new tools with a hydro repellent for easier cleaning and better performance

Work area preparation/Setting up

1. Mixing

- Add approximately 75% of the quantity of water to the mixer and then the screed in the mixer. Gradually add the FF Waterproofing C compound to the mixer, while keeping the mixer running and gradually add the balance water.
- Make a test mix to adjust the mixing rate, and also for "buttering of the mixer".
- Mixing water - try to work as per recommendations of FreeForm. Final water rate will need to be adjusted to temperature and work conditions. Once mixing rate is established make sure it is always the same.
- In case of manual mixing, mix for minimum 4 to 5 minutes. Mix till homogeneous, without lumps and all pigments are well integrated in the mix. Leave for further 2-3 minutes and then remix before use.
- When small mixers are used try to use two mixers to secure an even material flow.

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2. Recommended application thickness

An absolutely minimum thickness of 2 mm of coat is required for waterproofing. An additional coat of 2 mm thickness may be recommended depending on the situation.

3. Laying/Pouring/Installation

Pour the mixed material evenly on the floor or as required for the levelling application. Application is usually done with an aluminium box section smooth trowel. With proper water dosing, a fairly closed surface should be obtained after working the trowel. This can be roughened up slightly with use of a sponge or roller or by raking through with steel combs after some hardening- to enhance the grip for the subsequent layer.

4. Curing

In normal conditions, the FF Waterproofing C cures in 3-4 days. If temperature is lower curing will take longer.