

FF READY MIX PLASTER Application Method

Preparation

1. Surface preparation

The surface should be levelled to enable a uniform film thickness over the facade.

The concrete base or other wall 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. Cracks in the base should be repaired. Weak bases, which cannot sustain the contraction of coating must be removed or restored. Use a suitable FreeForm primer, for best adhesion results.

Give separate treatments or remedial measures for eliminating dampness, efflorescence, fungus, leakages, etc. if they are already existing on your wall. Better quality and evenness in the base wall will save costs.

Cover all joints between Concrete and Masonry surfaces with a chicken mesh of steel or fibre to create a reinforcement and reduce chances of cracking.

2. Recommended primers

FreeForm Primer C or other suitable FreeForm Primer, depending on the condition of the substrate on which the material is applied.

3. Installation tools

- Electrically operated hand mixer
- Steel Trowel
- Wood Float
- Aluminium Straight edge
- Plumb Bob
- Wire Brush

Work area preparation/Setting up

1. Mixing

- Add the water/ liquid to the mixer and then the powder if the mixer allows.
- Make a test mix to adjust the mixing rate, and also for "buttering of the mixer". Mixing water - try to work as per recommendations from VYARA/ 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.

FF READY MIX PLASTER Application Method

- In case of manual mixing, mix for minimum 3 to 5 minutes. Mix till homogeneous, without lumps and all pigments are well integrated in the mix. Leave for further 3-5 minutes for the chemical reactions to ensue, and then remix before use
- When small mixers are used try to use two mixers to secure an even material flow.
- Only so much quantity of the matrix should be wetted as can be used up within 30 minutes of the wetting. Re-adding of water to the mix on drying must not be done because of the polymeric nature of the mix

2. Recommended application thickness

Render can be applied in even thicknesses from 4 to 10mm per coat. Subsequent coats can be applied to build depth if required to a maximum total thickness of 20mm allowing adequate drying time between coats (approx. 4-8 hours).

As per standard solid plastering practice it is important to apply render in even coats e.g. 4-6 or 6-8mm. Do not apply from 4-10mm in a single coat to remedy poor substrate straightness. When render is applied at varying thicknesses on the same surface the render will dry out at different rates increasing the chances of plastic shrinkage cracking in the render finish.

It is recommended to do the external plastering in two coats. Total render coating thickness must not exceed 20mm.

3. Laying/Pouring/Installation

The surface must be adequately dampened before the application of the FF Ready Mix Plaster. This is necessary so that the moisture from the FF Ready Mix Plaster is not wicked out by the base.

Screed strips are first applied on the surface to ensure even thickness of applied material.

In the application process, the mixture may either be thrown forcefully on the wall to get it to stick or may be put on a trowel and plastered in an upward motion with pressure. Then levelling and finishing is done using levelling tools like musters, spirit level and masonry bob.

If application is done in two coats, the first coat should be grooved/scoured or combed to allow a better key to the second coat.

Avoid the work in rainy weather or when exposed to strong sunlight or high winds.

4. Curing

FF READY MIX PLASTER Application Method

FF Ready Mix Plaster requires lower curing than conventional plasters. However in hot, dry or windy conditions, it is necessary to assist the curing process by soaking the render once or twice a day for the first two to three days.

5. Precautions

Do not add water to a mix during progress of work. Discard if the mix is dry.

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