

Comtech Fair FC15

Polymer modified cementitious fairing coat for concrete surfaces.

Description:

Comtech Fair FC15 is a single component polymer modified fairing coat designed to fill pores, blowholes, minor honeycombs on a concrete surface. Suitable for applications from 0.5mm to 5mm.

This can also be used as a skim coat prior to the application of protective coatings. It is a shrinkage compensated crack free material, which can be applied as thin surface coats.

Primary uses:

- Can be used as a skim coat and as an aesthetic mortar.
- To repair and fill honeycombs, blowholes on concrete surfaces.
- Smoothen out damaged patches on concrete surfaces due to shutter movement and grout loss.
- As fairing coat prior to the application of protective coatings.

Advantages:

- Requires only on site addition of water.
- Shrinkage compensated and crack resistant.
- Excellent adhesion to concrete.
- easy to apply.
- low permeability.
- Resistant to the attacks of chlorides and other mild chemicals.

Yield:

One 25kg bag of **Comtech Fair FC15** will yield 16Ltr of mortar and will cover approximately 8m² at 2mm thickness.

Typical properties:

Color	Grey
Density	1700kg/m ³
Toxicity	Non toxic
Application life (mins)	30
compressive strength @28 days, (n/mm ²)	> 30
Adhesion strength @28 days, (n/mm ²)	> 1.5
Water permeability @5 bar pressure, (mm)	<10
Application temp, (°c)	5-45

Method of use:

Surface preparation

Clean the concrete surface of all contaminants like oil and grease, traces of curing compound and loosely adhering particles. The cleaning can be done by sand/grit blasting, high pressure water jet or mechanical scabbling.

Priming

Saturate the concrete surface with clean potable water prior to the application of the fairing coat.

However, ensure that the surface is free of standing water prior to the application of the fairing coat.

Mixing

Comtech Fair FC15 25kg bag shall be mixed with 7 Ltr of water.

Pour the required quantity of water in a separate mixing container.

Slowly add the powder to the water and mix continuously with a mortar paddle mixer fitted to a slow speed drill (300/400 rpm) till a homogenous and lump free consistency is achieved.

Application

Apply the mixed mortar with a steel trowel evenly on to the concrete surface within its working time.

Allow the coat to partly set before finally troweling it to achieve a smooth finish. For achieving a very smooth finish, sprinkle water on the surface and smoothen the surface with the steel trowel.

Do not overwork on the applied material as water can be drawn to the surface.

Damp sponges or plastic floats may be used to achieve a desired surface texture, but care should again be taken not to overwork the surface.

Curing

Comtech Fair FC15 Doesn't require any curing in general.

Only in a very harsh environment and due to the presence of rapid drying polymers in the fairing coat, the applied mortar has to be protected from hot and drying winds. Curing can be done either by the use of curing compound or continuous wetting of the surface with water. When cured with wet hessian cloth, the area shall be covered immediately with a high density polyethylene sheet which shall be taped to all the edges which has been repaired.

Packaging and storage:

Comtech FC15 is supplied in 25kg bag; All Comtech products should be stored in a dry shaded area, protected from breakage, deterioration and contamination.

Health and safety:

Comtech FC15 does not classified in the hazardous materials; however it should not be allowed to come into prolonged contact with skin and eyes.

The normal safety precautions (hand gloves & safety goggles) are recommended for handling.

The first aid if some harm happened with eyes in to wash with water.

WARRANTY STATEMENT: The information given here is based on our knowledge, and we believe it to be true and accurate.

We assume no responsibility for the use of these information, recommendations or suggestions.

Users should always refer to the most recent issue of the technical data sheet for the product concerned, copies of which will be supplied on request.



www.comtech-uae.com

Email: info@comtech-uae.com