

Comtech Coat FC15

Two component polymer modified cementitious fairing coat for concrete surfaces.

Description:

Comtech Coat FC15 is a two component polymer modified fairing coat designed to fill pores, blowholes, minor honeycombs on a concrete surface. 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:

- Pre-measured set requires only on site mixing.
- Shrinkage compensated and crack resistant.
- Excellent adhesion to concrete.
- easy to apply.
- low permeability.
- Resistant to the attacks of chlorides and other mild chemicals.

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 Coat FC15 shall be mixed mechanically using slow speed drill with spiral mixing paddle.

Slowly add the powder (Part A) to the latex (Part B) and mix continuously with speed of (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

Curing is generally not required, however during hot, dry and windy conditions the surfaces should be covered to prevent rapid drying.

Packaging and storage:

Comtech Coat FC15 is supplied in 21.66kg premeasured two component set; All Comtech products should be stored in a dry shaded area, protected from breakage, deterioration and contamination.

Health and safety:

Comtech Coat 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.

