

## Cemfair FD-E Method Statement (Cementitious fairing coat and cosmetic repair mortar)

### Section A : General Comments

#### General

- (i) Cemfair FD-E can be applied in a single application from feather edging to 3 mm.
- (ii) Cemfair FD-E shall be used when the ambient temperature is between 5°C and 35°C. Cold water should be used to prevent mixed materials temperature exceeding 32°C.
- (iii) The area to be repaired should be marked on the structure.

#### Equipment

It is suggested that the following list of equipment is adopted as a minimum requirement:

<i>Protective clothing</i>	:	<i>Protective overalls</i>
	:	<i>Good quality gloves and goggles</i>
<i>Equipment</i>	:	<i>Slow speed mixer fitted with large mixing paddle</i>
	:	<i>Graduated cylinder</i>
	:	<i>Clean empty drum (25 litre)</i>
	:	<i>Wooden and steel trowel</i>

### Section B : Application

#### 1.0 Surface Preparation

- 1.1 Clean the surface and remove any dust, loose particles, unsound materials, and general curing compounds.
- 1.2 The prepared area should be cleaned thoroughly with a brush and/or compressed air. The prepared area should be soaked with water immediately prior to the application of Cemfair FD-E.

#### 2.0 Priming

- 2.1 Thoroughly soak the substrate with clean water approximately one hour prior to applying the repair.
- 2.2 Remove all surface water leaving the substrate saturated surface dry.

#### 3.0 Mixing

- 3.1 To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used.
- 3.2 Dampen all surfaces of mixing equipment, removing any excess water.



expertise



quality



full range

- 3.2 Measure out the correct amount of clean, cool water (7.0 – 8.0 litre) dependent on application requirements) into a mixer or a clean container that has been pre-dampened. Ensure any excess water is removed. To enhance the scratch resistance of Cemfair FD-E, an addition of Cempatch SBR or Cempatch SBR100 is advisable. 1/2 of the total mixing water shall be replaced by Cempatch SBR or Cempatch SBR100.
- 3.3 With the machine in operation slowly add one full 25 kg bag of Cemfair FD-E to the water and mix continuously, for a minimum period of 3 minutes until fully homogeneous.
- 3.4 Small quantities up to 5 kg, can be mixed by hand, Cemfair FD-E should be volume-batched. Add 3 volumes of the powder to 1 volume of water and mix vigorously until fully homogeneous. In case of addition of Cempatch SBR or Cempatch SBR100, add 6 volumes of Cemfair FD-E: 1 volume of Cempatch SBR or Cempatch SBR100: 1 volume of water.

#### 4.0 Placing and Finishing

- 4.1 Cemfair FD-E can be applied by steel trowel.
- 4.2 The mixed mortar can be applied to the prepared substrates at up to 3 mm thicknesses.
- 4.3 The applied mortar should be allowed to stiffen before trowelling to a smooth finish.

#### 5.0 Curing

- 5.1 The cementitious fairing coat generally does not require curing. However, in adverse conditions (e.g. windy conditions or ambient temperatures above 30°C) supplementary curing with Setseal A or wet hessian with polyethylene should be considered.

### Section B : Approval and variations

This method statement is offered by DCP as a 'standard proposal' for the application of **Cemfair FD-E**. It remains the responsibility of the Engineer to determine the correct method for any given application. Where alternative methods are to be used, these must be submitted to DCP for approval, in writing, prior to commencement of any work. DCP will not accept responsibility or liability for variations to the above method statement under any other condition.