

# Cemfair FD

One component polymer modified cementitious fairing coat and cosmetic repair mortar



## DESCRIPTION

Cemfair FD is a one component, acrylic polymer modified cementitious fairing coat and cosmetic repair mortar.

When mixed with water, Cemfair FD produces a highly consistent, smooth, fine and trowellable mortar that can be applied from feather edge thicknesses up to 3 mm.

## APPLICATIONS

- » Filling of minor cracks.
- » For achieving fair face concrete.
- » Thin layer render.
- » Skim coat for pin holes and minor honeycomb repairs
- » Pore sealer and leveling mortar.
- » To produce a uniform surface for subsequent paint finishes and coatings.

## ADVANTAGES

- » Easy to apply. Single component, requires only addition of water.
- » Shrinkage controlled fairing coat mortar.
- » Excellent adhesion to concrete, no independent primer or curing is required.
- » Compatible with most types of protective coatings.
- » Suitable for internal and external applications.
- » Cost effective, hand applied, no formwork is required.
- » Non-toxic.

## STANDARDS

Cemfair FD complies with the requirements of BS EN 1504-3 Class R2 for repair principles 3.1.

## METHOD OF USE

### SUBSTRATE PREPARATION

All surfaces should be clean, sound and free from any plaster, oil, paint, grease, laitance, corrosion deposits prior to the application of Cemfair FD.

Roughen the surface to remove any laitance and expose the fine aggregate by light scabbling or grit-blasting, the prepared area should be cleaned thoroughly by brush and/or compressed air.

Cracks should be marked and cut into v-grooves shape. The prepared area should be soaked with water immediately prior to the application of Cemfair FD.

## TECHNICAL PROPERTIES. W/P = 0.2:

Colour:	Grey
Fresh wet density:	1.90 ± 0.10 g/cm <sup>3</sup>
Pot life:	60 - 90 min
Flexural strength: BS 6319-3	≥ 4 N/mm <sup>2</sup> @ 28 days
Application thickness:	Up to 3 mm
Minimum application temperature:	5°C

Performance Characteristics	EN 1504-3 Requirement for Class R2	Measured Value
Compressive strength: BS EN 12190	≥ 15 N/mm <sup>2</sup> @ 28 days	≥ 15 N/mm <sup>2</sup> @ 28 days
Adhesion bond: BS EN 1542	≥ 0.8 N/mm <sup>2</sup>	≥ 1.0 N/mm <sup>2</sup>
Chloride ion content: BS EN 1015-17	≤ 0.05%	≤ 0.03%
Thermal compatibility: freeze-thaw cycling BS EN 13687-1	≥ 0.8 N/mm <sup>2</sup>	≥ 0.8 N/mm <sup>2</sup>

In case of any oil and grease deposits, surfaces must be degreased using degreasing products, steam cleaning, or any other suitable method which assures the surface is free from any oil traces.

## PRIMING

Areas to be repaired with Cemfair FD should be soaked with clean water until saturated surface dry immediately before applying the repair mortar. All excess water should be removed prior to applying Cemfair FD.

In case of hot climate or severe drying conditions, repeated soaking may be necessary to ensure the substrate is still saturated at the time of application.





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## MIXING

To ensure proper mixing, a mechanically powered mixer or drill fitted with a suitable paddle should be used. 5 liter of clean water should be added to clean container. The 25 kg powder bag is then added slowly to the water while mixing continuously with low speed mixer/drill (400 - 600 rpm). Mixing time should be continued for 3 minutes until uniform consistency is obtained.

## PLACING AND FINISHING

Cemfair FD can be applied using a steel trowel. The mixed mortar can be applied to the prepared substrates at thicknesses up to 3 mm. The applied mortar should be allowed to partly set and stiffen before troweling to a smoother finish.

Cemfair FD can be finished using a steel or plastic float. 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.

Overworking the applied Cemfair FD with the float may cause water to drawn to the surface causing an unsightly finish.

*Note: If a very smooth finish is required, flick a small amount of water onto the surface of the applied Cemfair FD using a paint brush prior to final troweling.*

## CURING

Curing is not required for Cemfair FD in normal ambient conditions. In the case of harsh weather conditions, such as high wind and temperatures, it is recommended to cure with Setseal 6 or wet hessian with polyethylene sheets.

## CLEANING

All tools should be cleaned immediately after application using fresh water. Hardened materials must be cleaned mechanically.

## PACKAGING

Cemfair FD is available in 25 kg bags.

## THICKNESSES AND SIZE LIMITATIONS

Cemfair FD can be applied by single application from feather edge to 3 mm thickness. Higher thicknesses can be achieved by applying multiple layers.

## YIELD

Approximately 15.5 – 16 liter per 25 kg bag.

## STORAGE

Cemfair FD has a shelf life of 12 months from the date of manufacture if stored at temperatures between 2°C and 50°C in original unopened bags.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.

## CAUTIONS

## HEALTH AND SAFETY

Cemfair FD may cause irritation to skin or eyes. In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.

For further information, refer to the Material Safety Data Sheet.

## FIRE

Cemfair FD is noncombustible.

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