# Tecpatch FC

## Cementitious repair mortar for thin layer concrete repairs

### USES

Tecpatch FC is a fine filled, fast setting cementitious repair mortar for the repair of concrete where a thin layer or fairing coat is required. Tecpatch FC is ideal for the surface repair of precast concrete panels.

### BENEFITS

- Excellent adhesion to concrete substrate
- Fast setting
- Easy mixing and application
- Durable finish

## TECHNICAL SUPPORT

Aitken Freeman offers a comprehensive range of high quality, high performance construction products. In addition, Aitken Freeman offers technical support to users and specifiers, and can arrange on-site visits to end users and contractors.

### APPLICATION

### PRIMING

Prime the concrete with Renderprime just prior to commencing the repairs. Where the substrate is very porous predampening with water is advised.

### MIXING

Add the required mixing water (5.0 litres per bag) to the mixing vessel and slowly introduce the Tecpatch FC. Mix for 3 – 4 minutes using a forced action mixer suitable for mortars, until a smooth consistent mortar is achieved. Avoid addition of excessive water which will reduce the final strength and make the application more difficult.

### DESCRIPTION

Tecpatch FC is supplied as a ready to use, factory prepared, dry powder. Tecpatch FC is a blend of Portland cements and polymers which reduce water demand and produce an easily trowelled, smooth concrete repair mortar.

### TYPICAL PROPERTIES

**Compressive Strength @25$^{o}$C**

| | |
|---|---|
| 24 Hours | 20MPa |
| **Setting Times** | |
| Initial Set | 25 minutes |
| Final Set | 50 minutes |

### INSTALLATION

Apply the mixed mortar to the substrate using a trowel to finish to the required standard. Maximum thickness of any application should be limited to 5mm. This product can be used to achieve a feather edge finish.

### CURING

On completion of the trowelling operation, exposed areas can be cured with a thin layer of Renderprime to prevent the loss of surface moisture when the repair is subject to direct sunlight or strong winds.

### LIMITATIONS

For low temperature working, when the air is 5°C on a falling thermometer, normal precautions for winter working with cementitious materials should be adopted.

At ambient temperatures above 35°C, ensure sufficient labour for applying and trowelling are available to finish the surface to the required standard before the final set has commenced. Good curing is essential under hot and/or windy conditions.

### CLEAN UP

Tecpatch FC should be removed from tools and equipment immediately after completion using water. Cured material can only be removed mechanically.

**ESTIMATING & SUPPLY**

Tecpatch FC is supplied in 20kg moisture resistant bags. Coverage is around 2 kg/m² @ 1mm thickness.

**PRECAUTIONS**

Tecpatch FC contains cement powders which, when mixed or become damp, release alkalies which can be harmful to the skin. During use, avoid inhalation of dust and contact with skin and eyes. Wear suitable protective clothing, gloves, eye protection and respiratory protective equipment. The use of barrier creams provides additional skin protection. In case of contact with the skin, rinse with plenty of clean water, then cleanse with soap and water.

In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately - do not induce vomiting.

**Material Safety Data Sheets (MSDS) are available to users of Aitken Freeman products on request. Please ensure you have read this data sheet, the MSDS, and the product label carefully before first use of any product.**

## Green Star IEQ-13
## Volatile Organic Compounds

**Tecpatch FC has been determined to have zero VOC** content as determined by the method adopted by the Australia Paint Approvals Scheme. Tecpatch FC does not contain any volatile organic compounds with a boiling point of less 250$_{o}$C.

**STORAGE**

Tecpatch FC has a shelf life of 12 months if kept in dry store in unopened, sealed bags. If stored in high temperature and/or high humidity locations, the shelf life may be significantly reduced.

**ALLIED PRODUCTS**

Aitken Freeman manufactures a broad range of construction products and can supply the following:

- Grouts and anchoring systems
- Epoxy Surface Coatings
- Admixtures for concrete
- Adhesives & Sealants
- Floor toppings
- Floor levelling compounds
- Concrete Repair materials
- Waterproofing solutions

***Refer to Material Safety Data Sheet for precautions and personal protection***

**Disclaimer:** Any advice, recommendation, information, assistance or service provided by Aitken Freeman P/L in relation to goods manufactured or supplied by them or their use and application is in good faith and is believed by Aitken Freeman P/L to be appropriate and reliable. However, any advice, recommendation, information, assistance or service provided by Aitken Freeman P/L is provided without liability.

**Location.**
Factory 7
7-9 brough St
Springvale.Vic.3171
Ph:03 9701 3955
www.aitkenfreeman.com