



## Technical Data Sheet

### Ecofair FC Single Component Polymer Modified Cementitious Pinhole Filler

#### Description

**Ecofair FC** is a single component acrylic polymer modified powder designed for application to minor imperfections in concrete and masonry surfaces.

#### Applications

- Filling pinholes prior to over coating
- General re-profiling over large areas, up to 3 mm depth
- Thin layer render for fair face concrete
- As pore sealer and leveling mortar

#### Advantages

- Cost effective, single component which requires only addition of water.
- User friendly
- Polymer modified, High bond strength with concrete and compatible with different types of coatings.
- Suitable for internal and external application.

#### Technical properties

|                               |                                           |
|-------------------------------|-------------------------------------------|
| Color                         | Light Grey                                |
| Mixed density                 | 1.55 ± 0.05                               |
| Pot life                      | 30 min @ 25°C                             |
| Setting time                  | 70 min@ 25°C                              |
| Compressive strength          | >20.0 MPa @ 7 days<br>>25.0 MPa @ 28 days |
| Mixing Ratio                  | 0.45                                      |
| Min. application Temperature: | 5°C                                       |

#### Thicknesses and size limitations

**Ecofair FC** is suitable for application in the range 0 to 3 mm, higher thicknesses can be achieved by applying multiple layers.

#### Method of use

##### Substrate Preparation

All surfaces should be clean, sound, and uncontaminated prior to the application of **Ecofair FC**, using brush and /or compressed air. Immediately prior to the application the prepared area should be soaked with clean water.

#### Mixing

To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used. However, for small quantities, **Ecofair FC** can be hand mixed using proper tools and bucket.

For one full bag of 20kg, 7.5 - 8.5 liters of fresh water depending on required consistency should be added to a clean container.

The powder is then added slowly to the water while mixing continuously with low-speed mixer/drill (400 - 600rpm). Mixing time should be continued for 3 minutes until uniform consistency is obtained.

To enhance the scratch resistance of **Ecofair FC**, an addition of **Ecobond SBR** by replacing up to 50% from total mixing water is advisable.

#### Application

Apply the mixed **Ecofair FC** to the prepared substrate, up to 3 mm thickness, by steel trowel. It should be applied with the minimum of working and be allowed to partly set before finally trowelling to achieve a smooth finish.

If a very smooth finish is required, a small amount of water may be flicked on to the surface of the **Ecofair FC** with a paint brush prior to final troweling.

Do not proceed with the application when rainfall is imminent unless in a sheltered or protected situation.

**Ecofair FC** is finished by striking off with a straight edge and closing with a steel or plastic float.

Note that water can be drawn to the surface if 'overworking' with the float occurs, and an unsightly finish may result. 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 not normally required for **Ecofair FC**. However, for harsh weather conditions such as high wind and high temperatures use wet hessian and polyethylene is recommended.

#### Theoretical Coverage

Approximately: 18 liter / 20kg bag/1mm thickness.

#### Disclaimer:

We hope that the information herein will be helpful. The data is based upon knowledge considered to be accurate and true and is offered for the user consideration, investigation and verification in the application intended. We do not warrant the results or performance attained due to the nature of the influence of other constituent components in the application.



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### **Ecofair FC** **Single Component Polymer Modified Cementitious Pinhole Filler**

#### **Storage**

**Ecofair FC** shelf life is 12 months if stored at temperatures between 2°C and 50°C in original unopened bags.

*If these conditions are exceeded, Envirocon technical department should be contacted for advice.*

#### **Cleaning**

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

#### **Packaging**

**Ecofair FC** is available in 20kg bags.

#### **Cautions**

##### **Health and safety**

**Ecofair FC** contains cement powders which, when mixed with water or upon becoming damp, release alkalis which can be harmful to the skin.

During use, avoid inhalation of the dust and contact with the skin or eyes. Wear suitable protective clothing - eye protection, gloves, and respiratory equipment (particularly in confined spaces).

The use of barrier creams to provide additional skin protection is also advised. In case of contact with the skin, rinse with plenty of clean water, then cleanse thoroughly 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.

#### **Fire**

**Ecofair FC** is non-flammable.



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