

# PIOREP FC

Polymer rich, non-shrink, single component cement-based fairing coat



## DESCRIPTION

**PIOREP FC** is a polymer rich cement-based fairing coat which has been designed to smooth the roughness of concrete and even masonry surfaces, thicknesses up to 3 mm one-go application can be applied, it could be used for filling holes up to 10 mm depth and thicknesses range 1-5 mm, it is recommended to apply using plastering tools over the damp surfaces without priming.

## USAGES

- Leveling minor undulation on plastered and concrete surfaces
- Used as a base coat for fine finishing coat
- Can be used as a finish texture layer
- Can be applied as a first coat to a gypsum board or a cement board

## STANDARDS

**PIOREP FC** complies with;

- EN 1015-12
- ASTM C150
- ASTM C109
- ASTM C348

## TECHNICAL DATA

### PIOREP FC

Appearance

### Typical values

White/ Grey powder

Grain size

≤ 0.6 mm

Wet Density

1.6±0.1 kg/l

Pot Life

60 – 90 min

Setting Time (I-F)

5 – 7 hours

Compressive strength

7 – 12 N/mm<sup>2</sup>

Flexural strength

≥ 2 N/mm<sup>2</sup>

Bonding Strength

0.45 – 0.5 N/mm<sup>2</sup>

## ADVANTAGES

- Requires only addition of water on site at application time and no primer required
- Minimizes carbonation and chloride attack on steel reinforcement
- Adjustable consistency
- High mechanical & High heat resistance properties
- Low permeability ensuring durability
- Non-toxic and does not contain any harmful ingredient
- High early and ultimate strengths
- Formulated for the Middle East climate

## USAGE INSTRUCTIONS

### 1. Surface preparation

All surfaces shall be sound, clean and free from dust, oil & grease and any contaminants that may affect the bond between the product and substrates. surface should be wetted by water reaching SSD (Saturated Surface Dry) condition prior to applying.

### 2. Mixing

Use a suitable clean container, add a suitable amount of water per bag (refer to the table), and add **PIOREP FC** gradually, mixing simultaneously using high torque medium speed drill mixer of speed 400-500 rpm and a proper paddle for about 60 seconds, mix thoroughly until homogeneity is achieved.

**(Partial mix can be done with proper ratios).**

## CONSUMPTION

### PIOREP FC

Water/20 kg

5.75 – 6.25 liters

Water/50 kg

16 – 18 liters

Coverage/1mm thickness

1 – 1.2 kg/m<sup>2</sup>

### 3. Application

After thoroughly mixing **PIOREP FC** with water, apply it on the moistened wall surface from bottom to upward direction uniformly with the help of putty application blade. This would ensure less wastage and proper finish.

### 4. Curing

**PIOREP FC** is compatible with curing compound and water. Curing is not required in moderate temperatures. In cold conditions, the finished application must be protected from freezing.

## PACKAGING

**PIOREP FC** is supplied in 20kg & 50kg bags.

## HEALTH & SAFETY

**PIOREP FC** is non-toxic and non-hazardous, if material comes in contact with skin, cleaning with water and soap is recommended.

For Ecology: Do not dispose directly to water or soil, re-use it if possible or mix with water and wait until it hardens then bury it in landfill in accordance with national regulation.

## STORAGE & SHELF LIFE

**PIOREP FC** shall be stored in normal conditions away from extreme temperatures, and any source of moisture. Shelf life is 12 months.

### TECHNICAL SERVICE

The technical service department of Arkaz is available to assist in the correct and best use of our products, these resources and advice are at your disposal entirely without obligation. Please contact us via our website [arkaz.com](http://arkaz.com)

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