

## ARACO REP FFR

One Component Cosmetic Fairing Coat Repair Mortar

### Product Description

ARACO REP FFR is a one-component special formulated mortar for fair face repair. It is composed of a blend of hydraulic cements, carefully selected and graded aggregates, synthetic based additives and special additives.

Once mixed with water, ARACO REP FFR becomes a high consistent, smooth, fine, trowellable mortar.

ARACO REP FFR contains no iron particles, chlorides or gypsum. The use of this product will not cause any type of rust, corrosion or ravel even under moist conditions.

### Uses

ARACO REP FFR can be used for:

- Fair faced concrete repair
- As a thin layer render
- To produce a uniform surface for subsequent paint finish
- Repair for brickwork, cement plaster and precast concrete.

### Product Advantages

- External and internal use
- Excellent workability.
- Rapid hardening.
- Non-shrinkage material.
- High-resistant to water.
- High bond strength ensures excellent adhesion.
- Increased freeze/thaw resistance

### Surface Preparation

Areas to be repaired must be clean, sound, and free of contaminants. Saturate the surface with water prior to application then allow surface to dry. All loose and deteriorated concrete shall be removed by mechanical means.



**Package:** 20 Kg

**Consumption:** 1.3 kg/m<sup>2</sup> per 1mm thickness

### Product Application

For each 2 kg bag of ARACO GROUT 150, add 6.5–7.5 liters of water.

Mix the ingredients using a suitable electrical drill for 3–4 minutes or until a uniform lump free homogeneous mixture is obtained. Allow the grout to mature for 1 min prior to pouring.

Apply the paste of ARACO REP FFR using a clean steel trowel.

### Curing

As soon as the ARACO REP FFR has started to set it can be sprayed with small amount of water onto the surface of ARACO REP FFR prior to final smoothing.

Cure ARACO REP FFR with clean water for three days by spraying twice a day.

## Technical Data

### Flexural Strength at 28 days

Concrete 4.33 Mpa ASTM C 78

Hydraulic cement mortars 7.56 Mpa ASTM C348

### Tensile Strength

Average strength at 1 days 0.3 Mpa ASTM

Average strength at 7 days 0.62 Mpa C1583

### Compressive Strength

Average strength at 2 days 7.4 Mpa

Average strength at 7 days 9.8 Mpa ASTM C109

Average strength at 28 days 15.5 Mpa

### Bond Strength

Average bond strength at 1 days 0.4Mpa

Average strength at 7 days 2.8Mpa ASTM C882

Average strength at 28 days 6.1Mpa

### Length Change of Hardened Hydraulic –Cement Mortar and concrete

Increase in length at 28days 0.071% ASTM C157

### Scaling Resistance of Concrete Surfaces Exposed to Deicing Chemicals

Condition of the surface after 25 Cycles Slight to Moderate Scaling ASTM C672

### Changes in Height of Cylindrical Specimens of Hydraulic – Cement grout

Change in height at @ 28 days 0.06% ASTM C1090

## Product Data

Appearance Grey powder

Grain Size 0 to 0.1 mm

Min. thickness 1 mm

Max. thickness 3 mm

VOC 19 g/kg

Storage condition Store in a dry area between 5°C and 35°C. Protect from direct sunlight

Shelf Life 12 months minimum from production date if stored properly in original an opened packaging

## Safety Instructions

The product may cause skin irritation. Wear gloves and goggles and apply barrier cream to your hands. In contact with eyes or mucous membrane. flush immediately with plenty of warm water and seek medical attention without delay.

## Legal Notes

The information, recommendations, and application are based on ARACO current knowledge and experience of the products when properly stored, handled, and applied under normal conditions. ARACO products are guaranteed against defective materials and manufacture and sold subject to standard conditions. Users should always refer to the most recent technical data sheet for the product concerned, copies of which will be supplied on request.

## More from ARACO

A wide range of construction chemical products is manufactured by ARACO which include:

- Premixed mortar
- Bonding Agents
- Tile adhesives & Grout
- Concrete Admixtures
- Concrete Repair
- Surface Treatments
- Flooring systems
- Grout & Anchors
- Protective Coating
- Sealants
- Waterproofing
- Sports Flooring