

## ARACO REP NFT-FR

### Non-Shrinkage Fiber Thixotropic Fine Repair Mortar

#### Product Description

ARACO REP NFT-FR is a single component special formulated repair mortar. It is composed of a blend of hydraulic cements, carefully selected and graded aggregates, fibers, synthetic based additives and special additives.

Once mixed with water, **ARACO REP NFT-FR** becomes a high consistent, smooth, fine, trowellable mortar. **ARACO REP NFT-FR** is a cosmetic and structural repair mortar for interior and exterior surfaces.

**ARACO REP NFT-FR** 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 NFT-FR** can be used for:

- To produce a uniform surface for subsequent paint finish
- To Repair for brickwork, cement plaster and precast concrete.
- To Resurfacing deteriorated concrete.
- To Repair mortar to fill honeycombs.
- To Repair small defects on edges and joint sides.

#### Product Advantages

- Excellent workability.
- Non Toxic.
- Resistant to high sulphate water.
- Thixotropic material suitable for overhead and vertical application.
- Good mechanical strengths.
- High bond strength ensures excellent adhesion.
- Increased freeze/thaw durability and resistance.



**Package:** 25 Kg

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

#### 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.

#### Product Application

For each 25 kg bag of ARACO REP NFT\_FR, add 5.0 -5.5 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 NFT\_FR using a clean steel trowel.

#### Curing

**ARACO REP NFT-FR** is a cementitious based material, it should be cured in a similar manner to concrete. Curing can be made by using a curing agent ARACO CURE W or by water.

## Technical Data

### Flexural Strength at 28 days

Concrete 5.02 Mpa ASTM C 78

Hydraulic cement mortars 10.01 Mpa ASTM C348

### Tensile Strength

Average strength at 1 days 0.5 Mpa ASTM

Average strength at 7 days 0.62 Mpa C1583

### Compressive Strength

Average strength at 2 days 8.4 Mpa

Average strength at 7 days 12.2 Mpa ASTM C109

Average strength at 28 days 19.8 Mpa

### Bond Strength

Average bond strength at 1 days 0.9 Mpa

Average strength at 7 days 2.7 Mpa ASTM C882

Average strength at 28 days 8.1 Mpa

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

Increase in length at 28days 0.158% 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 0.19% ASTM C1090

## Product Data

Appearance Grey powder

Grain Size 0 to 1 mm

Applicable Thickness Up to 20 mm

Powder Density 2.1 g/mL

PH 12

VOC 7.5 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