

## ARACO REP TX

### Multi-purpose Cementitious Non Shrink Grout

#### Product Description

ARACO REP TX is a single component polymer modified structural grout. It is special composed of Portland cement, special aggregates, fibers, and special additives.

ARACO REP TX is supplied as a dry powder bags. It only requires the addition of clean water to produce a cohesive mortar. It is a multi-purpose concrete repair mortar.

ARACO REP TX 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.

ARACO REP TX can be applied generally in thickness from 10 mm to 50 mm.

#### Standards Compliance

- BS EN 196-1
- ASTM C 1107/1107M
- ASTM C938-10

#### Applications

ARACO REP TX is suitable to be used:

- Grouting and anchoring structural steel and pre-cast concrete members,
- Filling voids and tie rods holes
- Under plate grouting
- Resurfacing deteriorated concrete.

#### Product Advantages

- Excellent workability.
- Non Toxic.
- High physical and mechanical properties
- Non-shrinkage material.
- Thixotropic material suitable for overhead and vertical application.
- Enhance the freeze/thaw resistance
- Compatible modulus of elasticity to the ordinary concrete



**Package:** 25 Kg

**Consumption:** 20 kg/m<sup>2</sup> per 10mm 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. Chipping and or whip sand blasting is preferred to get a sound, rough surface.

#### Reinforced Steel

Steel reinforcement should be thoroughly prepared by mechanical cleaning to remove all traces of rust. Corroded rebar steel should be cleaned and washed with clean water after mechanical cleaning. For priming of reinforcing steel use ARACO TOP RS (Consult Technical Data Sheet).

#### Product Application

For each 25 kg bag of ARACO GROUT TX, add 5.5 to 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.

## Technical Data

### Flexural Strength at 28 days

Concrete 7.63 Mpa ASTM C 78

Hydraulic cement mortars 13.16 Mpa ASTM C348

### Tensile Strength

Average strength at 7 days 1.41 Mpa ASTM C1583

### Compressive Strength

Average strength at 2 days 29.4 Mpa

Average strength at 7 days 40.3 Mpa ASTM C109

Average strength at 28 days 52 Mpa

### Bond strength of epoxy-resin system used with concrete by Slant Shear

Average bond strength at 1 days 1 Mpa

Average strength at 7 days 8.7 Mpa ASTM C882

Average strength at 28 days 13.3 Mpa

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

Increase in length at 28days 0.112% ASTM C157

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

Condition of the very slight surface after 25 Scaling Cycles ASTM C672

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

Change in height at @ 28 days +0.09% ASTM C1090

## Product Data

Appearance Grey powder

Grain Size 0 to 2.5 mm

Density(powder) 1.115 ± 0.01

VOC 5.3 g /kg

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

Shelf Life Original sealed container has a shelf life of 6 months if stored in the right conditions

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