

# ARACO REP TX

One-Component Polymer Modified Fiber Reinforced Non-Sag Mortar

## Product Description

ARACO REP TX is a one-component special formulated polymer-modified non-sag concrete repair mortar. ARACO REP TX is a multi-purpose concrete repair mortar which can be applied by trowel or by wet spraying machine. ARACO REP TX is a development of typical properties of the pre-mixed polymer modified mortars meets the requirements for ASTM C-109 and BS EN 196-1.

## Applications

ARACOREPTX can be used especially for cosmetic or structural repair of deteriorated concrete. ARACO REP TX is a patching mortar for horizontal or overhead surfaces for the following application: -

- Repair of damaged concrete
- Resurfacing deteriorated concrete
- Concrete waterproofing and protection
- for weakened structures.

## Product Advantages

- Excellent workability.
- Non Toxic.
- Resistant to high sulphate water.
- Non-shrinkage material.
- Thixotropic material suitable for overhead and vertical application.
- Good mechanical strengths.
- High bond strength ensures excellent adhesion.
- Increased freeze/thaw durability and resistance.
- Compatible modulus of elasticity to concrete generally used for building/facade construction.
- Can be applied easily by hand or low pressure wet spray method.



**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. All loose and deteriorated concrete shall be removed by mechanical means. Saturate surface with clean water before application and keep surface dry with no standing water during application.

## 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 & Mixing

Pre-soak the repair surface with clean water and then allow surface to dry then prime the surface with a slurry of ARACO REP TX using a stiff brush adding 5.0 – 5.5 liter of water per 25 kg while the slurry coat is still damp, apply ARACO REP TX with 3 to 3.25 liter of water to a maximum thickness of 30 mm and compact thoroughly by trowel, whereas thicknesses up to 50 mm it is recommended to apply ARACO REP TX in 2 layers

## Curing

After application, protect the surface by using a curing compound ARACO CURE W by covering with properly secured plastic cover/sheet.

## Technical Data

### Average strength at 28 days

Concrete	7.63 Mpa	ASTM C 78
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### Compressive Strength

Average strength at 1 days	16 Mpa	
Average strength at 7 days	45 Mpa	ASTM C109
Average strength at 28 days	55 Mpa	

### Bond Strength

Average bond strength at 28 days	2.5 Mpa
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Density Powder	1.67 ± 0.01
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Grain size	0 to 2.5 mm
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## Product Data

Composition	Hydraulic binders, modified Synthetic based fibers, and polymers
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Appearance	Grey Powder
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VOC	5.3 g /kg
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Storage condition	Store in a dry area between 5°C and 35°C. Protect from direct sunlight
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Shelf Life	12 months minimum from production date if stored properly in original an opened packaging
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## 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