

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 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 GROUT 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:

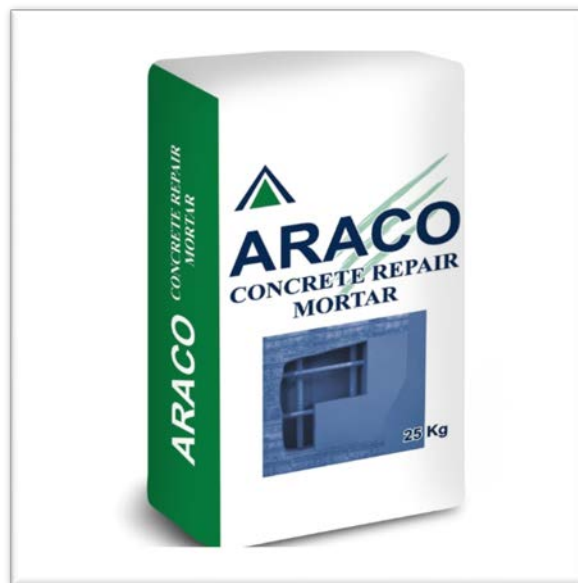
- Grouting and anchoring structural steel and pre-cast concrete members,
- Filling voids and tie rods holes
- Under plate grouting
- Resurfacing deteriorated concrete.

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

Characteristics

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 shaded ara at a temperature between 5°C and 35°C
Shelf Life	Original sealed container has a shelf life of 6 months if stored in the right conditions.



ARACO REP TX

PACKAGE	25 Kg
CONSUMPTION	20 kg/m ² 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).

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.

Curing

ARACO REP TX is a cementitious material. It should be cured in a similar manner to concrete. Curing can be also conducted using a curing compound **ARACO CURE W**. Refer to ARACO TDS for more info about **ARACO CURE W**.

ARACO FOR ADMIXTURES & CONSTRUCTION MATERIALS S.a.I.

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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 day 7	1.41 Mpa	ASTM C1583
Compressive Strength		
Average strength at 1 days	29.4 Mpa	
Average strength at 7 days	40.3 Mpa	ASTM C109
Average strength at 28 days	52.0 Mpa	
Bond strength of epoxy-resin system used with concrete by Slant Shear		
Average bond strength at 1 day	1.0 Mpa	
Average bond strength at 7day	8.7Mpa	ASTM C882
Average bond strength at 28day	13.3Mpa	
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 surface after 25 Cycles	Very Slight Scaling	ASTM C672
Changes in Height of Cylindrical Specimens of Hydraulic –Cement grout		
Change in height at @ 28 days	+0.09%	ASTM C1090

Safety instructions

Product may cause skin irritation. Wear gloves and goggles and apply barrier cream to 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 - 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 are sold subject to its 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.