



ARACO EPO REP

Two pack sealing, anchoring and bonding epoxy putty

Product Description

ARACO EPO REP is a two component, epoxy based, thixotropic, solvent-free, high strength adhesive and batching compound.

ARACO EPO REP is specially formulated to bond concrete to concrete, construction materials to concrete, and for general grouting and repair work.

The thixotropic nature of **ARACO EPO REP** allows it to function in vertical and over-headed situation without sagging while maintaining excellent bond.

Uses

ARACO EPO REP can be used:

- to bond concrete to concrete
- to grout dowels , rebar and anchor bolts
- to bond all construction materials (except plastic
- For patching and general repair
- Bonding all types of tiles
- Waterproofing sealing

Advantages

- High bonding strength to different substrates
- Excellent workability
- Easy application
- High, early and ultimate strength
- Water impermeable
- Non –slump

Product Data

Component	A : Resin B : Hardener
Appearance	Thick Grey Paste
Density	1.6 ± 0.05
Working time	2-3h @ 25°C 1.5-2.5h @ 35°C
Applicable thickness	1 to 3 mm
VOC	<20 g/ltr
Storage Condition	Store in a dry area between 5°C and 30°C. Protect from direct sunlight
Shelf Life	6 months minimum from production date if stored properly in original unopened packaging.



Package 1Kg & 5 Kg

Application Rate 0.7 liter/ mm²

Surface Preparation

All surfaces should be clean, sound and uncontaminated prior to the application of **ARACO EPO REP**. All loose particles or de-molding agents shall be removed by mechanical means. Steel surfaces should be grit blasted to remove all rust and scale.

Mixing

ARACO EPO REP is made up of two components (A: resin, B: Hardener) supplied pre-weighted in the correct proportions. Under no circumstances should part mixing be carried out.

The two components should be mixed well using a mechanical mixer until a uniform consistency paste is obtained.

Application

Apply **ARACO EPO REP** coating by brush, roller or airless spray at a nominal rate of 5 mm²/ liter and allow it to dry. The first coat can be diluted by up to 15% with clean water depending on the surface porosity. The second coat can be applied within two hours depending on the ambient temperature at the same rate. This application should achieve the 200 microns dry film thickness necessary for **EPO REP** properites.in applications where cracks bridging properties are particularly important, a minimum of over 300 microns is recommended.

Standard

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

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TECHNICAL DATA	Results	Standard
Compressive Strength		
@ 3 days	>40 N/mm ²	ASTM C 579
@ 7 days	>65 N/mm ²	ASTM C 579
@ 28 days	>70 N/mm ²	ASTM C 579
Tensile Strength		
@ 7 days	>15 N/mm ²	BS EN 6319 – Part 7
Flexural Strength		
@ 7 days	>20 N/mm ²	BS EN 6319 – Part 3
Bond Strength		
Average	>2.5 N/mm ²	ASTM C 1583
Water Absorption		
Percentage	0.07 %	ASTM C 413
Length Change		
Percentage after 28 days	0.015 %	ASTM C 157

Curing

ARACO EPO REP should be allowed to cure for 24 hours before being subjected to foot traffic.

ARACO EPO REP should never be applied in direct sunlight

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.

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