

ARACO EPO REP

Two pack sealing, anchoring and epoxy bonding agent

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

Product Advantages

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

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.



Package: 1Kg & 5 Kg

Application Rate 0.7 liter/ *mm*²

Application

Apply **ARACO EPO REP** coating by brush, roller or airless spray at a nominal rate of 5 *mm*²/ 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 properties. In applications where cracks bridging properties are particularly important, a minimum of over 300 microns is recommended.

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

Technical Data

Compressive Strength

at 3 day >40 N/mm²

at 7 day >65 N/mm. ASTM C579

at 28 day >70 N/mm²

Bond Strength

Average 2.5 N/mm² ASTM C 1583

Tensile Strength

at 7 day > 15 N/mm² BS EN 6319 part 7

Flexural Strength

at 7 day >20 N/mm² BS EN 6319 part 3

Water Absorption

Percentage 0.07% ASTM C413

Elasticity

Modulus >15 Gpa ASTM C580
@20°C

Length change

Percentage 0.015 % ASTM C157
after 28 days

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.

Product Data

Component A : Liquid
B : Liquid

Density 1.6 ± 0.05

Appearance Thick Grey Paste

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 5C and 35C. Protect from direct sunlight

Shelf Life 6 months minimum from production date if stored properly in original unopened packaging.

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