

ECMAREP 506

Solvent Free, High Strength Pourable/Flowable Epoxy Grouting Compound

Description

ECMAREP 506 is three component, solvent free epoxy grout with pourable consistency along with fast curing properties that provides high early strength. ECMAREP 506 is solvent free material having excellent adhesion to Concrete and many other substrates. ECMAREP 506 is a combination of high strength epoxy resins and specially graded aggregates and it can be used for grouting gap width of 12-50 mm.

Areas of Application

ECMAREP 506 is suitable for applications requiring free flow, high strength and good chemical resistance such as a bedding or Gap filling, Joint filler, anchoring, Fasteners, Under grouting, Base plates, Crane Tracks, Rail grouting, etc.

Advantages

- High Early and final strengths, rapid hardening
- Easy Application
- Excellent Chemical Resistance
- Cured material provides excellent mechanical strength, good adhesion and non-shrink properties
- High tensile and flexural Strength.
- For carrying out structural repairs, it can be filled into concrete/ mortar cracks/ voids/ pockets

Technical Specifications

Appearance	Pack A-Clear, Pack B –Amber, Pack C – Off-White to Brown
Physical State	Pack A- Liquid, Pack B – Liquid, Pack C- Graded Fillers
Mixing Ratio (A:B:C)	2:1:7
Mixed Density @27°C, Kg/m ³	1850±100
Pot Life @27°C	50-60 Minutes
Compressive Strength (N/mm ²) 1 Days	>50
Compressive Strength (N/mm ²) 7 Days	>75
Tensile Strength (N/mm ²) 7 Days	>10
Bond Strength to Concrete 14 Days	>3 N/mm ² (concrete failure)
Shrinkage	Non-shrink
Chemical Resistance	Unaffected by a wide range of Chemicals, Oils, etc.

Application Instructions

Surface Preparation

The substrate surface must be free from dust, laitance, oil, grease or any loosely adhering materials. All cracks, voids, unsound concrete pockets should be filled/repared with ECMAREP 503 mortar.



Mixing & Application

Mix Hardener (Component B) with Resin (Component A) thoroughly and leave the mixed material for 2-3 minutes to allow entrapped air to escape from the mix. Add Special Aggregates (Component C) slowly and again mix it well using a drill or paddle mixer (maximum speed 500 RPM) or manually.

Mix only sufficient material for immediate requirement and use as quickly as possible, within its pot life.

ECMAREP 506 shall be poured on prepared surface as per requirement from one end only. Pour mortar into prepared opening (hopper) and maintain enough static pressure (15-20 cm). Ensure that entrapped air can easily escape. Use steel rods or chains to assist the flow of grout where necessary.

Precautions

- Do not apply on wet surface
- Store material under shade and protect from fire and higher temperatures
- Do not mix large quantities as it will reduce pot life and may set faster. Mix only sufficient materials for immediate requirements.
- Clean all equipment with xylene or any cleaning agent after application

Packaging

10 Kg Kit

Shelf Life

12 Months in original unopened sealed condition at a temperature range from +5°C to 30°C.

Storage & Handling

Material should be stored in Cool, Dry and covered shade, away from heat & fire. Please do not use hook and handle carefully during transport.

Safety Precautions

Wear all PPE's at the time of handling or application of material like Safety boot, Safety Goggle, Hand Gloves, Mask and avoid contact with Skin and Eyes. Any accidental direct skin contamination with the hardeners should be washed off immediately with soap and water, seek medical help if require.

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