

ABOUT US

Baral Chemical Company Ltd. is the leading and only local manufacturer of building and any other construction oriented chemicals and materials with extra-ordinary properties which are claimed better ones in comparison with respective field. Manufacturer of various types of building & Construction chemicals such as anti-salinity sealer, concrete admixtures with excellence, cementitious-grouting for concrete-joints, heat reducing & water proofing roof, damp and water proofing liquid felt, cementitious alloy for water leakage, rust remover, pest controlling products and any other constructional problem solving products which are truly for sound construction and healthy environment. Our Research & Development Department (R&D) has been analyzing, improving and adapting new invented technologies since 1986 to provide quality services for our honorable clients.

EpoxBond-EA

Epoxy Bonding Agent for Old to New Concrete

Description

EpoxBond EA is a solvent free, high performance, long pot life, versatile epoxy bonding agent. EpoxBond EA can be applied to both dry and damp surfaces and adheres to most substrates after proper preparation. It is supplied as a two-component material in pre-weighed quantities ready for on-site mixing and use.

Standards

ASTM C881-Type I, II, and V, Grade 1 Class B and C

Usages Area

EpoxBond EA is used as a bonding agent between old and new concrete, screeds, mortars, steel to concrete, wood to concrete, etc. When used as part of a concrete repair system, EpoxBond EA will act as a barrier to prevent the migration of chlorides from the parent concrete into the repaired area.

Advantages

- ✓ Solvent Free, high build, non-toxic
- ✓ Long pot life suitable where formwork or additional reinforcement has to be installed
- ✓ Unaffected by moisture, can be applied on dry or damp substrates
- ✓ Exhibits high mechanical strength
- ✓ Easy to apply
- ✓ Exceeds the tensile strength of the parent concrete

PROPERTY	TEST METHOD	VALUE
Component		Two: Part A- Base
		Part B- Hardener
Form		Liquid
Colour		
Viscosity	ASTM C881	8-10 poise
Pot Life		2-3 hours
Track Free Time		6-8 hours
Max. Overlay Time		5-6 hours
Compressive	BS 6319-2	70 N/mm ²
Flexural Strength	BS 6319-3	30 N/mm ²
Pull Out Strength	ASTM D 4541	> 2.5 N/mm ²
Bond Strength	ASTM C 882	> 10 N/m
Toxicity		Non-toxic

Site Preparation

Clean all surfaces and remove any dust, unsound material, plaster, oil, paint, grease, corrosion deposits or algae. Roughen the surfaces, remove any laitance and expose the aggregate by light scrubbing or grit-blasting..

Mixing

Stir the base and hardener components of EpoxBond EA separately before mixing together. Transfer the contents of the hardener into the base tin container and mix thoroughly using a slow speed drill fitted with a paddle for about 2 minutes until a uniform consistency is obtained. The sides of the mixing container should then be scrapped and mixing should continue for a further 1 minute.

Application

Apply **EpoxBond EA** as soon as the mixing process is complete. Apply by brush, roller or spray. Apply to the prepared surfaces ensuring uniform thickness. Ensure that it is well brushed into the damp surface. New concrete or screed should be placed while the bonding agent is tacky. Ensure the applied **EpoxBond EA** is protected from contamination during this time.

Support

BCCL provides technical support and service to specify dosages, chemical mixing, application method and by perfect supervision.

Package

1ltr, 3 ltr and 6 ltr set

Shelf Life

12 months from date of manufacture when stored under warehouse conditions in original unopened packing.

Cleaning

Clean all equipments and tools with water immediately after use

Health & Safety
No hazards and not inflammable
No health hazards and environment friendly
Safe to handles and non- hazardous
If spread in mouth or eyes, wash by much water; before taking food, hands should be washed out properly with soap or detergent.

Additional Information

Technical Services are available on request for onsite support to assist in the correct use of its products. Refer MSDS. (Available on request.)



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