

# CICO POXY 215

## High Strength Injectable/Pourable Epoxy Grout

CICO POXY 215 is a three component solvent free, free flowing , fast curing epoxy resin system which can be injected/poured, in/on concrete for carrying out structural repairs. The system is insensitive to the presence of water which it displaces due to its higher density thus allowing application on damp concrete surface. The cured resin possesses high mechanical strength , excellent adhesion, non-shrinking properties and a chemical resistance typical of all epoxy resin system. Cracks and voids can be successfully sealed/ bonded with CICO POXY 215. Although CICO POXY 215 has high strength; the cured material is not brittle and retains slight flexibility. CICO POXY 215 is supplied in pre-measured quantities as component A-Resin and Component B-Polyamide Hardener and Component – C Special Aggregate (Graded Silica flour).

### USES

CICO POXY 215 is used to repair concrete defects on floors, walls and concrete roads It is also used to grout heavy machine base plates, anchoring of bolts, etc.

### MIXING RATIO

Pack-A : Pack-B: Pack-C = 2:1:5 by weight.

### TECHNICAL DATA

Colour of mixed material	Off white
Specific Gravity of mixed Material	1.4±0.1
Compressive Strength, N/mm <sup>2</sup> , 24 hrs	30
7 Days	80
Shear Bond Strength, N/mm <sup>2</sup> , 7Days	15
Pot life at 30°C	45 minutes
Shrinkage	Non-shrink
Chemical Resistance	Unaffected by wide range of acids, alkali, oil and solvents
Shelf life	24 months in sealed condition

### APPLICATION DATA

#### Surface Preparation

The area to be treated should be properly cleaned. Injection nipples are Fixed at a regular spacing. A superficial seal should be applied on the surface to prevent grout from coming out.

#### Mixing

Mix all the components-B Polyamide Hardener with Component –A Resin. Add Component C Special Aggregate and again mix well, so as not to entrap air into the product. Mix for 2-3 minutes using a drill and paddle (maximum 300-400 R.P.M.).

Mix only sufficient material for immediate requirement. Leave the mixed material to stand for 2-3 minutes to enable entrapped air, if any, to escape from the mix and then use as quickly as possible.

#### Injection

The grout mixture should be pumped by a positive displacement plunger type pump with slow and even pressure through the injecting nipples till refusal or when the grout oozes out from the adjacent nipples.



### HANDLING

Store the material in shaded cool place and keep it away from fire or any heated body. Clean all tools with MEK or any standard solvent for epoxy resin before full hardening. If there is any splash of material to eyes the same should immediately be cleaned with clean potable water.

### PACKAGING

Available in A+B+C in 8 Kg (Can be changed as per bulk requirement).

#### Important Note:

All CICO products are sold in the market after strict Quality Control in line of ISO 9001 and guaranteed against any manufacturing defect. Although the basic formulation of Company's products generally remains unchanged, production refinements arising from continuing research and evaluation program may occasionally result in marginal changes in properties. CICO aspires to ensure that any recommendation, advice, test data, specification, method statement and other information given in this product datasheet is accurate and best of company's knowledge. Since, the company (CICO TECHNOLOGIES LTD) has no control over the selection of its product, applicators, application methodology, how and where it is applied, therefore, the company cannot accept any liability directly or indirectly arising from the use of its product. It is important to any customer, user or specifier satisfies him / herself that the product is suitable for the intended purpose including health, safety and environmental aspect. Unless or otherwise agreed in writing, all products of the company are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. All customers, users, specifiers should ensure that they examine the suitability of the product with company's latest product data sheet.

### CICO TECHNOLOGIES LIMITED

Corp. Office: C-44/2, 1<sup>st</sup> & 2<sup>nd</sup> Floor, Okhla Industrial Area,  
Phase -II, New Delhi-110 020  
Tel. No: 91-11-4050 9400, Fax: 91-11-4050 9413  
E-Mail: [cicotech@cicogroup.com](mailto:cicotech@cicogroup.com)  
Web Site: [www.cicogroup.com](http://www.cicogroup.com)



ISO 9001:2008  
FM 54275

CTL/07-14/01