



ISO 9001:2000

CICO POXY 219

High Strength Pourable Epoxy Grout

- DESCRIPTION** : **CICO-POXY 217** is a three component solvent-free flowable, fast-curing epoxy resin system which is filled into concrete voids/pockets 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 219**. Although **CICO POXY 219** has a high strength, the cured material is not brittle and retains slight flexibility. **CICO POXY 219** is supplied in pre-measured quantities as component A-Resin and Component B-polyamide Hardener and Component-C Special Aggregate (Grade Quartz Sand) .
- MIXING RATIO** : Component - **A Resin**,
Component - **B Hardener**
Component - **C Special Aggregate(Graded Silica sand)**
- PROPERTIES** :
- Colour** : Off White
- Density** : 1850 to 1950 kg/m³
- Compressive Strength** : Minimum 300 ± 20 Kg/cm² in 24 hours at 30°C .
Minimum 700 - 750 Kg/cm² in 7 days at 30°C .
- Bond Strength** : 15 – 20 kg / cm² in 7 days at 30°C .
- Tensile Strength** : 125 150 Kg/cm² in 7 days at 30°C .
- Flexural Strength** : 250 - 300 Kg/cm² in 7 days at 30°C.
- Pot Life** : Approximately 40 - 45 minutes at 30°C.
- Shrinkage** : Non-shrink
- Chemical Resistance** : Unaffected by a wide range of chemicals, oils, etc

SHELF LIFE : Approximately 1 years if the containers are stored properly and remain un-opened.

PACKING : Available in pre-measured 12 kg kit

APPLICATION DATA :

SURFACE PREPARATION : The area to be treated should be cleaned properly. 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 Component-B Polyamide Hardener with Component-A Resin. Add Component-C Special Aggregate and again mix well, so as not to entrap air into product. Mix for 2-3 minutes using a drill and paddle (maximum 300 – 400 R.P.M).

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 or distilled water.

PRODUCT INFORMATION Although the basic formulation of our products generally remains unchanged production refinements arising from continuing research and evaluation program may occasionally result in marginal changes in properties.

TECHNICAL SERVICE

- * CICO maintains a technical division with highly qualified Technical Personnel to investigate and advise on subjects related to concrete and the construction industry. The Division will advice on the correct use and selection of right products at the right place.
- * CICO undertakes Consultancy Service for diagnosis and rehabilitation of distressed structures
- * CICO undertakes jobs as a package for total waterproofing system with guarantee

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