



ISO 9001:2000

CICO BOND EPO

Solventless Epoxy Bonding Agent

- DESCRIPTION** : **CICO BOND EPO** is a two pack solventless epoxy. Pack-A is white resin and Pack B is black hardener. The pre-measured quantities, easy for on-site mixing and use. Mixed material as well as hardened material is grey in colour
- USES** : **CICO BOND EPO** is mainly used as structural adhesive/bonding agent to permanently bond freshly mixed mortar or concrete to hardened concrete, glazed bricks, tiles, steel or other structural materials. It is ideal for cantilever extension or expansion and repair of concrete in factories, loading bays, bridges, roads, bonded floor toppings, etc.
- FEATURES** :
- * **CICO BOND** can be applied to both dry and wet surface.
 - * It can be normal and long pot life depending on users requirement.
 - * It is also a wood adhesive.
 - * Greater bond strength than the tensile strength of concrete.
 - * Most suitable as structural adhesive/bonding agent for mortar, concrete, stone, steel and iron, etc.
 - * Highly reliable quality - produced under strict quality control
- METHOD OF USE** :
- SURFACE PREPARATION** : Surface should be clean and free from surface water, loose particles, oils, grease or other contaminants. Old concrete should be mechanically abraded. Deeply contaminated concrete and metal should preferably be grit blasted.
- MIXING** : Mix full white Pack A with full black hardener Pack B thoroughly by hand or with a slow speed electric drill and paddle type mixer. When mixed thoroughly the mixed material will be grey in colour without streak. Apply the mixed material with brush in uniform coat. Place new concrete or mortar not later than the specified overlay time or else till the applied surface is tacky. If the tacky stage reaches, apply a further coating before placing concrete or mortar. Clean the tools and brushes with solvent before it hardens. Hardened material should be removed mechanically.

TECHNICAL DATA :

		NORMAL SETTING	LONG SETTING
Colour of mixed & cured material	:	Grey	Grey
Ratio	:	Pack A:B packs by weight 2:1	Pack A:B packs by weight 2:1
Pot Life - 30°C 35°C	:	45 - 50 minutes 20 - 30 minutes Note: If required the pot life can be extended upto 200 minutes depending upon site requirement.	150 - 200 minutes 120 - 150 minutes
Overlay Time 30°C 35°C	:	60 - 70 minutes 35 - 50 minutes	8 - 11 hours 5 - 6 hours
Full cure at 30°/35°C	:	4 5 days	7 days
Compressive Strength (kg/cm ²)	:	600	600
Flexural Strength(kg/cm ²)	:	400	300
Adhesion strength(kg/cm ²)	:	200	200
Application temperature	:	5°C	5°C
Temperature sensitivity	:	Below 5°C the material will not work.	

SHELF LIFE : 12 months, if kept unopened**STORAGE** : Keep it in a cool place.**COVERAGE** : Concrete - 2.0 to 2.5m²/kg of mixed material
Steel - 4 to 6m²/kg of mixed material**PACKING** : **CICO BOND EPO** is available in 1 kg and 4 kg dual packs**HEALTH & SAFETY** : Handle with care. Do not smoke while using it.**PRODUCT INFORMATION** : Although the basic formulation of our products generally remain 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

CICO TECHNOLOGIES LIMITED**Tel.No: 91-11-4050 9400****Fax No: 91-11-4050 9413****E-Mail: cicotech@cicogroup.com****Web Site: www.cicogroup.com**

