



ISO 9001:2000

# CICO AQUAPOXY

## Water Based Epoxy Sealer Membrane

- DESCRIPTION** : A two part chemically cured, water based epoxy sealer membrane for most porous building components.
- USES** : For curing, seepage and dampness problems on interior or exterior surfaces of basements, tunnels, liftwells, retaining walls, floors, below grade car parks, etc. Excellent on fresh concrete after it has hardened and is ideal as waterproofing membrane on concrete floor slabs under carpets and other floor coverings.
- FEATURES** :
- \* Cured membrane will withstand approx. 2.5 kg/cm<sup>2</sup>(36 p.s.i.)hydrostatic pressure or equivalent to around a 25 mtrs. head of water.
  - \* Can be applied onto damp surfaces.
  - \* Does not impair bond of subsequent adhesives or paints.
  - \* May be tinted with universal paint tints.
  - \* Non flammable, odourless and low toxicity.
  - \* Can be applied to interior or exterior surfaces.
- COLOURS** : White
- PERFORMANCE** :
- |                       |  |
|-----------------------|--|
| Adhesion:             | Excellent to correctly prepared surfaces such as brick concrete block, masonry, concrete and asbestos cement. Also to galvanized steel and timber. |
| Gloss:                | Semi-gloss   |
| Hydrostatic Pressure: | Withstand up-to approx2.5kg/cm <sup>2</sup> or 25 mtr. head of water.  |
| Overpainting:         | May be overpainted with most decorative paints.  |
- APPLICATION DATA:**
- Surface Hardener : All surfaces must be structurally sound with all previous coatings removed by chipping, power wire brush, sand-blasting or other suitable method. Any efflorescence and laitence must be removed also preferably by acid etching with a 10% solution of Hydrochloric(Muriatic) acid and water. After bubbling ceases immediately rinse off with copious quantities of clean, fresh water, scrubbing with stiff broom at the same time. Do not allow etching solution to dry before rinsing.
- Holes, cracks and friable areas must be patched with a mortar prepared from 1 part cement 2 parts sand and 1 part **CICO AQUAPOXY**. Allow to dry for 2-3 hours at the rate of 25°C. Free flowing leaks can be sealed using **CICO No.3**.
- Very dry and porous surfaces should be primed with a fine mist water spray for best application results.
- Mixing : Stir both parts separately to overcome settlement which may have occurred, ensuring the stirrer is cleaned before using for the second part. Pour equal volumes of Part A and Part B into a clean container. Mix with a slow speed power drill fitted with a stirrer for atleast 3 minutes. Do not mix more than can be applied in 2 hours at 25°C. Do not use if temperature is below 10°C or above 85% humidity.

## TECHNICAL DATA

Pot Life	:	2 hours at 25°C 1 hour at 40°C.
Min.Dry Film per coat	:	0.15mm on rough surfaces 0.12mm on smooth surfaces
Coverage	:	1 <sup>st</sup> coat rough surfaces 2.5 m <sup>2</sup> /kg smooth surfaces 3m <sup>2</sup> /kg 2 <sup>nd</sup> coat rough surfaces 3.7m <sup>2</sup> /kg smooth surfaces 5m <sup>2</sup> /kg
Curing	:	Recoat after 2 hours at 25°C or 50% R.H. Full Cure 7 days at 25°C or 50% R.H.
Specific Gravity	:	1.22
Total Solids(mixed)	:	55% by weight
Flash Point	:	Not applicable.

**APPLICATION** : Apply by long nap roller, airless or conventional spray or stiff nylon brush taking care to work **CICO AQUAPOXY** in different directions to avoid pinholing. Ensure material is applied liberally at the rate of 2.5m<sup>2</sup>/kg on rough surfaces and 3m<sup>2</sup>/kg on smoother surfaces for the first coat. Allow 2 hours at 25°C to dry then apply second coat at the rate of 3.7 m<sup>2</sup>/kg on rough surfaces and 5m<sup>2</sup>/kg on smoother surfaces. Allow to cure for approximately 24 hours at the rate of 25°C/50% R.H. before applying any decorative overcoats.

**Thinning** : Do not thin **CICO AQUAPOXY** when first mixed. It is possible to add up to 1 part water to 8 parts **CICO DAMPCOAT** when product is near the end of its pot life to assist in application. Mix water thoroughly.

**Cleaning** : Wash all equipment in warm water/detergent solution before product cures.

**PACKAGING** : Available in 40 kg, 20 kg and 1 kg kit

**STORAGE** : Shelf life of 12 months if stored in un-open condition and temperature above 0°C and in the dry place.

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

## TECHNICAL SERVICES:

- \* **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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