

# CICO DAMPCOAT

## Water Based Epoxy Sealer Membrane

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 concrete /plastered surfaces of basements, tunnels, lift wells, 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> hydrostatic pressure or equivalent to a 25 metres 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, odorless and low toxicity.
- Can be applied to interior or exterior surfaces.

### APPLICATION

Apply by long knapsack roller, airless spray or stiff nylon brush taking care to work CICO DAMPCOAT in different directions to avoid pin holing. 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 8-12 hours at 30°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 at least 24 hours at 30°C/60% R.H. before applying any decorative overcoats.

### TECHNICAL DATA

<b>Colours</b>	White
<b>Adhesion:</b>	Excellent
<b>Gloss:</b>	Semi-gloss
<b>Hydrostatic Pressure:</b>	Withstand up-to approx.2.5kg/cm <sup>2</sup> or 25 m head of water.
<b>Over painting:</b>	May be over painted with most decorative emulsion paints.
<b>Pot Life</b>	2 hours at 25°C 1 hour at 40°C.
<b>Min. Dry Film thickness per coat</b>	a) 5mm on rough surfaces
	b) 0.12mm on smooth surfaces
<b>Coverage</b>	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
<b>Curing</b>	Recoat after 2 hours at 25°C or 50% R.H. Full Cure 7 days at 25°C or 50% R.H.
<b>Specific Gravity</b>	1.22
<b>Total Solids(mixed)</b>	55% by weight
<b>Flash Point</b>	Not applicable.



### SURFACE PREPARATION

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 laitance must be removed also preferably by acid etching with a 10% solution of Hydrochloric / bathroom cleaning 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 DAMPCOAT. Allow to dry for 4-8 hours at 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.

### STORAGE

Shelf life of 12 months if stored in an open condition and temperature above 0°C but below 40°C and in dry place.

### 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 the amount that can be applied in 40 minutes at 25°C. Do not use if temperature is below 10°C or above 85% humidity.

### THINNING

It is possible to add up to 1 part water to 8 parts **CICO DAMPCOAT** and mix water thoroughly. But do not add any water when the mixed product is near the end of its pot life.

### CLEANING

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

### PACKAGING

Available in 20 kg, 1 kg and 0.5 Kg kit.

#### 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.

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