

## CICO CUREFREE-WP

### Liquid Membrane Forming Compound for Curing Of Concrete

**CICO CUREFREE – WP** is a membrane forming, ready to use, white pigmented emulsion of specially blended synthetic waxes, complying with ASTM C 309-86, TYPE-II

Common method of curing such as continuous spraying of water on concrete surface and ponding etc. are inconvenient and is also expensive. Evaporation of water from concrete will deprive it of its much needed water for hydration resulting in capillary pores, lower compressive strengths, chipping off on the surface and development of surface cracks. Liquid membrane-forming curing compound is used on the principle that concrete gets enough water from pre-matured concrete/mortar for uninterrupted hydration after placement.

#### USES

For application on freshly cast concrete or newly exposed concrete surface after removal of formwork to form a temporary membrane which will retain sufficient moisture inside the concrete for effective curing to take place. The membrane eventually breaks down and disintegrate after which the surface can be painted. It is useful for large areas of concrete such as pavements, runways, bridge decks and industrial floors. It is also used for vertical or sloping surfaces such as chimneys, towers, silos, canal lining, columns and beams where water curing is difficult or unreliable. The curing compound can be clear/reddish with

fugitive dye/ white pigmented to perform different functions.

#### FEATURES

- Single coat forms moisture barrier for whole of curing period.
- No other method of curing is necessary.
- No risk of erratic or poor curing and ensures cement hydration efficiently.
- Risk of drying shrinkage, cracks and dusty surface are minimised.
- Burning of the fresh concrete surface which is exposed to strong solar radiation is protected. It further protects concrete surface against influence of aggressive atmospheric conditions.
- Non-toxic and non-inflammable, does not cause health hazard.
- Heating up of the surface by direct Sun rays is minimised with white pigment.
- Ensures uniform application because of white pigmentation
- Application is very easy and safe.
- Eco-friendly, economical and consistent quality.

#### TECHNICAL DATA

<b>Appearance</b>	Milky white color liquid
<b>Specific Gravity</b>	1.02±0.02
<b>Appearance of dry film</b>	White
<b>Water loss as per ASTM C309-1986</b>	0.48kg/m <sup>2</sup> (Maximum limit as per ASTM C309-86 is 0.55kg/m <sup>2</sup> .)
<b>Day Light Reflection</b>	60% (Minimum).
<b>Drying time at 30°C</b>	4 hours (Maximum)
<b>Coverage</b>	4-6 m <sup>2</sup> /litre
<b>Shelf life</b>	12 months

**METHOD OF APPLICATION**

**CICO CUREFREE-WP** should be applied following the final finishing operation and immediately after the disappearance of water sheen from concrete surface. Do not apply **CICO CUREFREE -WP** when standing water is still present on concrete. If the concrete has already lost some of its surface water then it is recommended to fog down the surface before application of **CICO CUREFREE-WP**.

**Equipment**

Low pressure sprayers, rollers are most preferred and generally knapsack sprayer commonly used in horticulture or pest control may be used thus a uniform coating is guaranteed. It should be made sure that the spraying is properly carried out to cover entire surface.

**STORAGE**

Store in dry cool place and away from direct sunlight

**HANDLING**

It is the non-toxic and non-flammable and does not cause any health hazard.

**PACKAGING**

20 litre bucket and 200 litre plastic drum.

**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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