

CICO CUREFREE C

LIQUID MEMBRANE FORMING COMPOUND FOR CURING OF CONCRETE

CICO CUREFREE – C is a membrane forming, ready to use, clear emulsion of specially blended synthetic waxes, complying with ASTM C 309-86.

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 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 provide sufficient moisture 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 surface as of 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.

ADVANTAGES

- 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.
 - Non-toxic and non-inflammable, does not cause health hazard.
 - Eco-friendly.
 - Ensures uniform application if fugitive dye is added.
- Application is very easy and safe.

TECHNICAL DATA

Appearance	Milky white color liquid
Specific gravity	1.00±0.02
Appearance of dry film	Translucent
Water loss as per ASTM C309-1986	0.40kg/m ² (Maximum limit as per ASTM C309-86 is 0.55kg/m ² .)
Drying time at 30°C	90 minutes
Coverage	4-6 m ² /litre
Shelf life	12 months

METHOD OF APPLICATION

CICO CUREFREE-C should be applied following the final finishing operation and immediately after the disappearance of water sheen from concrete surface. Do not apply **CICO CUREFREE -C** 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-C**.

Equipment

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

HANDLING

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

Wash all equipment and splashes on skin with plain water with soap. Dry material deposited on the surfaces of the equipment can be washed with hot water and detergent.

STORAGE

Store in dry cool place and away from direct sunlight

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.

CICO TECHNOLOGIES LIMITED

Corp. Office: C-120, 2nd Floor, Okhla Industrial Area,
Phase -I, New Delhi-110 020
Tel. No: 91-11-4050 9400, Fax: 91-11-4050 9413
E-Mail: cicotech@cicogroup.com
Web Site: www.cicogroup.com

