



## CICO GUARD-S

### High Performance Water Based Aliphatic Acrylic-Based Protective and Decorative Coating

The **CICO GUARD-S** system comprises a single component penetrating silane /siloxane based primer and a single component pigmented coating both ready for immediate site use.

**CICO GUARD-S** is an aliphatic acrylate; solvent based protective coating, providing an outstanding resistance to aggressive elements, UV- light and rain. It is available in a selected range of colours.

#### USES

Protects atmospherically exposed reinforced concrete structures from attack by acid gases, chloride ions, sulphates, oxygen and water. The product is also suitable to protect other cementitious substrates and masonry. **CICOGUARD-S** is suitable for use on all types of structures, especially those in aggressive marine and coastal environments. It is equally suitable for new and existing structures.

#### ADVANTGES

- Excellent barrier to carbon dioxide, chloride ions, sulphates, oxygen and water.
- Highly UV-resistant aliphatic acrylate gives exceptional resistance to the effects of long term weathering.
- Highly durable in all climatic conditions
- Selected range of decorative colours.
- Ease of application-single pack-no mixing of separate components

#### TECHNICAL DATA

<b>Theoretical Coverage</b>	2.5 Sq. mtr per litre
<b>Colours</b>	Light Blue, White, Grey
<b>Drying time at 27°C</b>	2 hours
<b>Recoating time</b>	4hours
<b>Dry Film Thickness</b>	150 microns
<b>Depth of carbonation</b>	Nil (after 24 hours)
<b>Water Absorption</b>	Nil (up to 24 hours)
<b>Water percolation at 20m height of water</b>	Nil

#### APPLICATION DATA

##### Surface Preparation

All surfaces should be dry and free from contamination such as oil, grease, loose particles, laitance, moss, algae etc. To ensure an unbroken coat of **CICO GUARD-S** surface containing blow holes or similar areas of pitting should be filled using a suitable cementitious fairing coat. This cementitious fairing coat should be allowed to cure for about 48 hours dependent on ambient conditions before the application of **CICO GUARD-S PRIMER**

##### Application

- Application **CICO GUARD SYSTEM** should not commence if the temperature of the substrate is below 10°C.
- Any areas of glass should be masked.
- All primed surfaces should be coated with two coats of **CICO GUARD-S**.



- The material for **CICO GUARD-S PRIMER** and **CICO GUARD-S** should be stirred thoroughly before use.
- The first coat should be applied to all areas by the use of suitable brushes or rollers to achieve a uniform coating with a wet film thickness not less than 150 microns. This coat should be allowed to dry before continuing.
- The second coat of **CICO GUARD-S** should be applied exactly as detailed above, again achieving a wet film thickness not less than 150microns.

### LIMITATION

The **CICO GUARD-S** system is formulated for application to clean, sound concrete or masonry. The product should not be applied over dense, non-porous materials. Trials should be carried out before applying the product over existing sound coating or paints. Application should not commence if the temperature of the substrate is below 10°C.

### HEALTH & SAFETY

The materials should not come in prolonged contact with the soft skin. Ensure adequate ventilation and avoid inhalation of vapour. If working in confined areas, suitable protective respiratory equipments must be used.

### SHELF LIFE

18 months when kept in dry place.

### PACKAGING

20 Kg bucket.

#### 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-44/2, 1<sup>st</sup> & 2<sup>nd</sup> Floor, Okhla Industrial Area,  
Phase –II, New Delhi-110 020  
Tel. No: 91-11-4050 9400, Fax: 91-11-4050 9413  
E-Mail: [cicotech@cicogroup.com](mailto:cicotech@cicogroup.com)  
Web Site: [www.cicogroup.com](http://www.cicogroup.com)



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