

# CICO AQUAPUR

## Water Based Elastomeric Polyurethane Based Waterproofing Coating

**CICO AQUAPUR** is single component water based elastomeric polyurethane protective and waterproof coating. When it hardens it develops excellent bonding property to most of the building materials. It is suitable in both interior and exterior building and all other civil engineering applications. Cured film of **CICO AQUAPUR** prevents dampness in buildings tanks, Roofs and other concrete structures permanently.

### USES

- For sealing fine “hairline” cracks in concrete structures.
- For waterproofing of concrete water tanks, pools etc.
- For exterior waterproofing of basement walls in new buildings.
- For all kinds of damp proofing and waterproofing in concrete, mortar, rendering, brickwork and block work.
- For sealing internal basement and cellar walls against dampness.
- For Water proofing of Roof Gardens.

### ADVANTAGES

- Excellent adhesion to sound and prepared surfaces.
- Single pack system, no hassle at site mixing
- Easy to apply by brush.
- Excellent barrier coating for CO<sub>2</sub>, acid gases and chloride ions.
- Non-toxic suitable for contact with drinking water.
- Non-Corrosive to steel or iron, non-inflammable.
- Protects against the effects of concrete carbonation, efflorescence or salt petering.

- Protects superbly against water penetration.
- Zero VOC, suitable green building application.

### PROPERTIES

<b>Appearance</b>	Grey and off-white
<b>Specific Gravity</b>	1.3-1.5 kg / ltr.
<b>Coating required</b>	Two (minimum)
<b>Application temperature minimum</b>	5° C
<b>maximum</b>	45° C
<b>Recommended DFT</b>	0.25 – 1.5 mm
<b>Tensile Strength, N/mm<sup>2</sup></b>	4
<b>Adhesive strength with concrete</b>	2 kg/cm <sup>2</sup> (approx.)
<b>Elongation,%</b>	150
<b>Water absorption</b>	< 0.1%
<b>Cold weather extensibility</b>	Very good.
<b>Coverage</b>	3-4 sq.m/kg for 200-250microns thickness 1.3kg/m <sup>2</sup> /mm thickness

### APPLICATION

#### Surface Preparation

- All surfaces must be sound clean and free from any oils, grease, paint, bitumen or other surface contaminants and efflorescence. If the surface is treated previously with a water-repellent. **CICO AQUAPUR** will not develop any bonding property. Under such situation,

through grit blasting/scrabbling is required, or otherwise, all loose or defective materials should be removed by chipping or needle gunning. Concrete surfaces should be free from laitance/dirt or any loose materials. If there is any blow hole, pin hole, repair with CICO TAPECRETE based PMC mortar.

### METHOD OF USE

#### Mixing

Mix the whole quantity with a spatula to a homogeneous state before application.

#### *For Damp Wall, Basement*

All surfaces where **CICO AQUAPUR** shall be used should be dry or in SSD condition. **CICO AQUAPUR** cannot be applied on wet surfaces. The first coat of **CICO AQUAPUR** should be applied on surfaces using soft fiber/nylon brush. Airless spray can also be used for application. The second coat of **CICO AQUAPUR** shall be applied when the first coat has hardened reasonably. For any subsequent coat, the previous coat should be allowed to harden up to maximum 24 hours. Protect the freshly applied coat from rain water or water splashes for at least 6-8 hours.

#### *For Exposed Roof*

All surfaces where **CICO AQUAPUR** shall be used, should be cleaned, sound and free from oil, grease, paint, bitumen or other surface contaminants. It is further advisable that whenever the exposed surface is subjected to traffic movement, 15 – 25 mm plaster (1:4 cement sand) using CICO SUPER shall be laid on the second coat to protect the **CICO AQUAPUR** coating.

All floor / wall joints should be covered with our polymer modified mortar before treating the areas with our **CICO AQUAPUR**. For Spray application of **CICO AQUAPUR** slurry, please consult our Technical team.

Normal curing as done for other cementitious materials using damp Hessian cloth or membrane forming curing compound is essential.

Soft slurry form tools and equipments may be cleaned with water but the hardened material may be removed mechanically.

### PRECAUTIONS

For brush application, it is advisable that each coating thickness should be 100-150 microns. This will ensure uniform coating thickness. Where high coating thickness is required, provide multiple layers of coating for better performance.

For spray application, each coating thickness should be more than 500microns. Where high coating thickness is required, provide multiple layers of coating for better performance.

### PACKAGING

4kg and 20kg Bucket

### HEALTH & SAFETY

Non-flammable and non-hazardous.

### 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)



CTL/07-14/01