

## CICO ACRYL

### Acrylic Polymer Latex Based Integral Cement Waterproofing Compound

**CICO ACRYL** is acrylic latex based light white coloured liquid integral waterproofing compound. It is used in concrete and mortar/plaster where high degree of waterproofing is needed. Components of **CICO ACRYL** reacts directly with the free lime released in the hydration process of the Portland cement resulting in a highly water repellent substance which is deposited through the concrete/cement matrix. The presence of this integrally contained compound resists and reverses the normal tendency of hardened concrete to absorb water by capillary action.

**CICO ACRYL** fully passes the requirements of IS: 2645 -2003.

#### USES

**CICO ACRYL** is used for all types of cement concrete in walls & floors, Pre-cast panels, tanks and reservoirs, etc.

#### FEATURES

- Reduces amount of mixing water.
- Increases plastic workability.
- Allows normal setting and curing.
- Reduces shrinkage.
- Promotes increased density.
- Minimizes capillary water movement.
- Lowers permeability.
- Promotes high strength.
- Waterproofs integrally.

#### SPECIFICATION

All concrete and mortar to be waterproofed shall be of sound design and shall be integrally waterproofed by the addition of **CICO ACRYL** and used in strict accordance with the printed instructions.

#### APPLICATION

##### FOR CONCRETE:

**CICO ACRYL** is added at the rate of 1 kg per 50 kg of cement. The addition may be made direct into the batch mixer. Accurate hand mixing is satisfactory, but in the case of large operations such as ready mix batching plants automatic dispensers are recommended. **CICO ACRYL** disperses rapidly in water and may be premixed with the required amount of mixing water for each batch, if required.

##### FOR MORTAR & PLASTER:

The rate of use for mortar and plaster is 1 kg **CICO ACRYL** for each bag of 50 kg cement or cement/lime.

#### PACKING

Available in 20Kg, 50Kg & 250Kg. container.

#### STORAGE

Keep it in a cool place.

**TECHNICAL DATA**

<b>Appearance</b>	Light white coloured liquid
<b>Specific Gravity</b>	1.2±0.02
<b>pH Value</b>	>7
<b>Normal Dosage</b>	1kg per 50 kg bag of cement
<b>Water Permeability</b>	Less than 50% of neat cement mix as per IS 2645-2003
<b>Effect on Setting Time</b>	No effect
<b>Effect on strength</b>	No effect
<b>Shelf Life</b>	18 months

**HEALTH & SAFETY**

Avoid contact with eyes. Prolonged contact with bare skin may cause irritation. Wear safety goggles and gloves during handling.

**PRECAUTIONS**

- Use **CICO ACRYL** with other admixtures such as water reducing and air entraining agents after testing slump, strength etc.
- Should not be added directly to the dry cement.
- Highly alkaline avoid direct contact with eyes and soft skin.

**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)



ISO 9001:2008  
FM 54275

CTL/07-14/01