

## CICO No.1

### Normal Setting Integral Waterproofing Compound for Concrete and Mortar

**CICO NO.1** is yellow coloured viscous liquid based on reactive additives and micro particles suspension with anti corrosive properties. This is used as an Integral Cement Waterproofing Compound for Cement Concrete and Mortar.

#### USES

**CICO NO.1** is used in construction of concrete roofs, bathrooms, sunken areas, swimming pools, basements, retaining walls, exterior plasters, etc.

#### FEATURES

- Ensures water tightness of concrete against water head.
- Eliminates/reduces dampness from the plastered surface of brick work.
- Protects concrete from weak solution of acids/chemicals.
- Prevents/reduces sweating, efflorescence, saltpeter action and fungal growth on the plaster surface of the brick

Available with ISI mark as per IS: 2645 - 2003

#### USES/LOCATION

- In rendering/plastering work on all brick walls in residential structures.
- Both underground and overhead water tanks concreting/plastering.
- Silos, basement structures, damp-proof course in residential buildings.

- For repair/maintenance work of existing damp-wall, saltpeter in brick work.
- All roof concreting of residential & industrial structures.

#### CAUTION

Do not add any water when the mortar or concrete gets dry due to delayed use to make the mortar/concrete workable.

#### APPLICATION

##### A. Rendering

- **CICO NO.1** is diluted with clean fresh water in the proportion of 1:12-16 i.e. 1 part **CICO NO.1**: 12 to 16 part water.
- Stir mix as mentioned above uniformly and thoroughly till all the **CICO NO 1** goes into the solution without any visible lump.
- Add the solution only into the dry mix of cement and sand.
- The quantity of the solution i.e. **CICO NO.1** and water is to be pre-determined as per the cement-sand mix proportion and the quantity of mortar to be made at one time.
- As a thumb rule mix 1 to 1.5 Kg. **CICO NO 1** into 12 to 16 Litres of water for one bag mix of mortar and balance 15 to 20 Liters water added separately as per desired consistency.



Future-proofing what you build

- The quantity of water depends on consistency of the mortar desired.
- Quantity of **CICO NO.1** per bag of cement depends on the mix proportion. As a guide add 1.5 Kg/bag for 1: 6 mix or leaner mix and 1 Kg/bag for 1: 4 or richer mix.

- Add **CICO NO.1 @ 2% by wt. of cement** if cement content is 350 Kg/m<sup>3</sup> otherwise add **@ 3% by wt. of cement** for concrete with cement less than 350 Kg/m<sup>3</sup>.

### B. Concreting

- Make the solution as mentioned above.
- Add aggregate, sand and cement into the mixer and mix thoroughly, add gradually the solution to get the desired consistency/ workability.
- Do not add any extra water so that the W/C ratio does not change from that of specified.

### SHELF LIFE

18 months if unopened and stored properly.

### PACKING

Available in 1Kg, 5Kg, 20Kg, 50Kg & 225 Kg Metal/plastic drums

### HEALTH & SAFETY

The materials should not come in contact with the skin and eyes or swallowed. Ensure adequate ventilation and avoid inhalation of vapours.

### PROPERTIES/ TECHNICAL DATA

<b>Form</b>	Viscous liquid
<b>Colour</b>	Yellow
<b>Specific Gravity</b>	1.07 ± 0.02
<b>Setting Time</b>	No change
<b>Chloride</b>	Less than 0.10%
<b>Toxicity</b>	Non-toxic
<b>Strength</b>	Increases

#### 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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