

CICO TAPECRETE RTU

TWO PACK POLYMER MODIFIED ELASTOMERIC CEMENTITIOUS WATERPROOF COATING

CICO TAPECRETE RTU is a two pack polymer modified cementitious elastomeric protective and waterproof coating. When it hardens it develops excellent bonding property to most building materials. It is suitable in both interior and exterior building and all other civil engineering applications. Cured film of **CICO TAPECRETE RTU** 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.
- Pre-measured packs – need only mixing.
- Easy to apply by brush.
- Excellent barrier coating for CO₂, 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.

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 TAPECRETE RTU** 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. Prepare stiff paste of **CICO TAPECRETE RTU** (Use 10-20% more of component A pack as per consistency) to repair the defective areas like cracks, cavities, and blowholes. Any leakage should be sealed with CICO NO-3 before coating with **CICO TAPECRETE RTU** slurry.

Mixing

Mix full quantity of pack B with full quantity of pack A or mix in a ratio of 2.5:1 by weight (A: B) for smaller quantities in a bucket. Continue mixing until smooth slurry results. Use such slurry within 20 to 30 minutes.

METHOD OF USE**For damp wall, basement**

All surfaces where **CICO TAPECRETE RTU** shall be used, should be dampened well by spraying/sprinkling of water over them. The first coat of **CICO TAPECRETE RTU** should be applied on such dampened surfaces using fiber brush. If the surface dries during application or otherwise, re-dampen it. The second coat of **CICO TAPECRETE RTU** shall be applied when the first coat has hardened reasonably (no nail impression within 4 to 7 hour). For any subsequent coat, the previous coat should be allowed to harden upto maximum 24 hours. Protect the freshly applied coat from rain water or water splashes. Protect the freshly applied surface from direct sunlight for at least 6 – 8 hours.

For exposed roof

All surfaces where **CICO TAPECRETE RTU** shall be used, should be cleaned, sound and free from oil, grease, paint, bitumen or other surface contaminants. The surface should be then dampened well with clean potable water on which the first coat of **CICO TAPECRETE RTU** is applied using soft fiber brush. The second coat shall then be applied over the first coat after 6 – 8 hours later than the application of previous coat. 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 laid on the second coat to protect the **CICO TAPECRETE RTU** coating.

All floor / wall joints should be covered with our polymer modified mortar before treating the areas with our **CICO TAPECRETE RTU**. For Spray application of **CICO TAPECRETE RTU** 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 equipment's may be cleaned with water but the hardened material may be removed mechanically.

PACKAGING

Available in two pack system: 28 kg & 3.5 Kg in pre-measured quantities of pack A & B.

HEALTH & SAFETY

Non-inflammable and non-hazardous.

TECHNICAL DATA

Two packs: Pack A	Grey Powder, White Powder
Pack B	White liquid
Colour of the hardened film	Grey, White
Density of Mixed Components	1.7 kg / ltr.
Time for working at 30° C	20 to 30 minutes 60% R. H.
Coating required	Two (minimum)
Application temperature minimum	2°C
maximum	45°C
Adhesive strength with concrete	2 N/mm ² (approx.)
Elongation% , at 30°C	70 %(minimum)
Coverage	1.5-2kg/m ² of mixed material in 2coats depending on surface conditions.
Mix Ratio by weight, Pack – A Pack – B	2.5:1
Shelf Life	12 Months in original sealed condition

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

