

CICO TAPECRETE RTU FLEX

HIGH QUALITY POLYMER MODIFIED FLEXIBLE CEMENTITIOUS WATERPROOF COATING

CICO TAPECRETE RTU FLEX 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 FLEX prevents atmospherically exposed reinforced concrete structures from attack by acid gases, chloride ions, oxygen & water.

Tested to ASTM D4060, ASTM D4541, ASTM D638 & ASTM C836.

USES

- Concrete foundations, basements wall and lift pits.
- Swimming pools, water tanks and reservoirs.
- Brick and block work
- Concealed roofs, parking decks, bathroom, toilet, kitchen, balconies and planters.
- Suspended floors
- Roofs
- Retaining walls & foundations

FEATURES

- Excellent barrier to carbon dioxide, chloride and sulphate ions.
- Non toxic - ideal for potable water tanks.
- High resistance to the effect of long-term weathering, durable in all climate conditions including UV attack.
- Environmentally friendly -free Volatile Organic Compound
- Waterproof-suitable for water retaining structures.
- Thermal expansion similar to concrete.
- Excellent bond to concrete and masonry.
- Great crack accommodation capacity.

METHOD OF USE

Surface preparation

All surfaces to be waterproofed should be clean, sound and dry. Priming for good quality, dense concrete is not necessary. Visible cracks, depressed or any porous substrates are to be filled or levelled with Acrylic based filler (Tapecrete – mortar) for

concrete or brick surfaces. Spalled Concrete must be sound before applied. Substrate should be reach a "Saturated Surface Dry" (SSD) condition (damp, without standing water)

Mixing

Use Portland cement mechanical mixer at slow speed; add product powder part to liquid part in a clean container until a smooth and homogenous slurry mixture is achieved. Allow the mixed slurry to stand for 5-10 minutes for releasing air-trapped during the mixing prior to application. Mixing material must be use within recommend pot life.

Application

CICO TAPECRETE RTU FLEX can be applied by brush or roller. DO NOT dilute with water. All surfaces to be waterproofed should be clean, sound and dry. Stir well before using. The application of CICO TAPECRETE RTU FLEX should not be done if the temperature of the substrate is below 2°C. When applying CICO TAPECRETE RTU FLEX on hot substrates i.e., over 45°C surface temperature, saturate the surface with water. Apply CICO TAPECRETE RTU FLEX in 2 coats to achieve 1mm thickness. Allow the slurry to cure for at least 15-30 min. before applying second coat. Do not leave the first coat to dry longer than 8 hours. For tile adhesive application on surface allow surface to cure for 3 days prior. If first coat was cure over 8 hours, fix surface by applying 2 to 3 coats of CICO TAPECRETE RTU for desire waterproof surface thickness For more details of specification contact CICO Technical team.

Curing

For maximum protection, allow 12 to 24 hours curing time after second coat. Leave CICO TAPECRETE RTU FLEX for at least 7 days to cure before filling or sealing water to test leaks.

PRECAUTIONS

- There should not be rain up to 24 hours after application of coating.
- Moisture content of the surface should not be more than 7 %
- Protective layer (based on cement- sand and 6-10mm down coarse aggregate mix) shall be provided on top layer.
- There should not be any naked flame near by the application and storage area.

HEALTH & HAZARDS

Prolonged exposure may give rise to irritation of the skin and mucous membranes. Use of normal safety precautions such as wearing rubber gloves, safety shoes and safety goggles are recommended while handling the product. In case of accidental contact with eyes, washing with plenty of water and seeking of medical treatment immediately is recommended.

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	30 minutes 60% R. H.
Coating required	Two (minimum)
Application temperature minimum	2°C
maximum	45°C
Adhesive strength to concrete at 7 day	1.3 N/mm ² (approx.)
Elongation% , at 30°C	150 %(minimum)
Coverage	1.5-2kg/m ² of mixed material in 2coats depending on surface conditions.
Mix Ratio by weight, Pack – A Pack – B	1.5:1
Shelf Life	12 Months in original sealed condition

HEALTH & SAFETY

Non-inflammable and non-hazardous.

SHELF-LIFE

12 months from the date of MFG.

PACKAGING

Available in 40 kg. (Pack A – 16kg & Pack B – 24kg)

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

