

## CICO Thane-TCE

### High Performance PU Coating for Walls And Floors

**CICO THANE- TCE** is a two component aliphatic elastomeric PU coating system for waterproofing, dust proofing of concrete walls floors and ceilings. It is resistant to corrosion, chemical attack and abrasion.

#### USES

The cured film protects atmospherically exposed reinforced concrete structures from attack by acid gases, chloride ions, sulphates, oxygen and water. The product is also suitable to protect other cementitious substrates and masonry. **CICO THANE- TCE** is also suitable for use on all types of structures, especially those in aggressive marine and coastal environments. It is equally suitable for new and existing structures. **CICO THANE- TCE** is used to protect reservoirs, tanks, silos, water treatment works, breweries, dairies and meat and food processing plants. The cured film is non-toxic and meets the requirements of IS : 9833 - 1981

#### FEATURES

- *Can be applied all types cementitious and mild steel surfaces*
- *Applied cured material forms a smooth glossy impervious surface.*
- *Excellent abrasion and impact resistance.*
- *Excellent resistance to chemical attack including various acids, alkali, organic solvent.*
- *Does not corrode.*
- *Cured film is Non-toxic.*
- *UV - resistant*

#### SURFACE PREPARATION

<b>Theoretical Coverage</b>	4-8m <sup>2</sup> / kg per coat (Coverage will vary depending on surface conditions).
<b>Colours</b>	Light Blue, White, Grey
<b>Dry Film Thickness</b>	80-120 microns per coat.
<b>Pot Life At 30°C</b>	60 ±20 minutes
<b>Specific Gravity Of Mixed Material</b>	1.4 ± 0.2
<b>Volume Solid, %</b>	>60
<b>Recoating Time, (Hours) at 30°C</b>	16 hours.
<b>Elongation</b>	>100%

#### APPLICATION DATA

##### Surface Preparation

All surfaces should be dry and free from contamination such as oil, grease, loose particles, laitance, moss, algae etc. by lightly grit blasting the surface. To ensure an unbroken coat of **CICO THANE- TCE** surface containing blow holes or similar areas of pitting should be filled using **CICO POXY – SCREED / CICO POXY - LC**. This fairing coat should be allowed to cure for about 18-24 hours depending on ambient conditions before the application of **CICO THANE- TCE**.

##### Mixing

A suitable power driven mixer / stirrer is recommended for uniform mixing. Stir the base and hardener separately. Mix hardener gradually into the base under continuous stirring as per the stated mixing ratio. Mix well for 5-6 minutes till



the components become homogeneous. Wait for 3-5 minutes to release entrapped air from the mix. Remix the mass again before apply it.

#### APPLICATION

Application should not commence if the temperature of the substrate is below 0°C. The first coat should be applied to all areas by the use of suitable brushes or rollers to achieve a uniform coating. The second and subsequent coats of **CICO THANE-TCE** shall be applied exactly as detailed above, to achieve desired film thickness. Generally 100 – 150 microns (DFT) coating thickness provide desired results.

#### SHELF LIFE

18 months when kept in dry place.

#### PACKAGING

5 Kg pack.

#### HEALTH & SAFETY

Though the cured material is non-toxic, it should not be inhaled or shallow. Avoid direct contact with soft skin and eyes. Wear protective gloves and safety goggles during application.

#### CLEANING

All tools shall be cleaned with suitable thinner like MEK, MIBK . For Better result use **CICO CLENSOL-U**.

#### 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