

## TRI- COAT CM

Protective and decorative coating for concrete and masonry

### Description

**Tri-Coat CM** comprises a two component polymer modified cementations coating supplied in ready to mix kits .

**Tri-Coat CM** can be simply applied by stiff brush, roller spray or Trowel to obtain the desired texture .

Polymer modified protective /decorative coating .

The protective coating will comprise specially selected cements graded Hard wearing sand and additives supplied in powder form together with a liquid component of blended co-polymers and wetting agents . The total dry film thickness of the coating shall be not less than 2 mm and shall be capable of providing resistance to wear and weather, diesel oil, gasoline, chlorides, de-icing salts, effluents and organic solvents.

It will exhibit positive water pressure resistance up to 7 meter head dependent on coating thickness.



### Uses

**Tri-Coat CM** To protect atmospherically exposed reinforced concrete structures from attack by acid, gases, chloride ions, oxygen and as a waterproofing.

The product is also suitable to protect other cementitious substrates and masonry for new and existing structures.

### Advantages

- Water proof - suitable for water retaining structures .
- High resistance to the effects of long term weathering.
- Durable in all climatic conditions including UV attack.
- Flexible with similar expansion similar to concrete .
- Covers honeycombed and pitted poured concrete effectively.
- Good abrasion resistance.
- Waterproof coating for water tanks and reservoirs.

| DISCRETIONS                | VALUE   |
|----------------------------|---|
| Color                      | Grey - white other color on request           |
| Density                    | 2 ± 0.1 kg / L                                |
| Tensile Strength ASTM C307 | 3.75 N/mm <sup>2</sup>                        |
| Flexure Strength           | 11 N/mm <sup>2</sup>                          |
| Bonding Strength           | 3.50 N/mm <sup>2</sup>                        |
| Rate of use (theoretical)  | 30 kg / 12-15 m <sup>2</sup> - for 2 mm d.f.t |

#### Factory & Head Office:

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Tel.: (002) 011 195 48267 - Sales: (002) 010 007 88817 - (002) 011 184 87597  
Technical Support Call : (002) 011 184 87880 - Email: sales@trichem-eg.com

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| Chemical resistance  |           |
|--|-----------|
| CL   | No effect |
| NAOH 40 gm / L   | No effect |
| NAOH (So <sub>4</sub> ) <sub>2</sub> 12 H <sub>2</sub> o @ 23 °C | No effect |
| NAOH (So <sub>4</sub> ) <sub>2</sub> 12 H <sub>2</sub> o @ 60 °C | No effect |

### Directions for use

#### Surface preparation

All surfaces should be dry and free from contamination such as oil, grease, Loose particles, decayed matter, laitance, and all traces of mould release Oils and curing compounds. This is best achieved by lightly grit-blasting the Surface. It is essential that all surfaces to be treated, be pre-soaked with clean water prior to application of **Tri-Coat CM**.

#### Mixing

Pour the liquid part in a bucket then add the powder to liquid till getting Suitable consistency.

Small quantities can be mixed by hand in a bucket.

Large quantities can be mixed by Mixer.

#### Application

Apply the mixed products to the well prepared surface of concrete or masonry by stiff brush and apply one or two coats as required.

Spray or trowel applications can be used.

The coating should be applied in two coats to achieve a total dry film thickness Of not less than 2mm.

Areas subjected to light foot traffic should receive minimum 2mm thickness and an additional 2mm coating should be applied to areas of moderate to heavy pedestrian conditions

### Cleaning

All tools should be cleaned with water immediately after use.

Hardened material can be removed mechanically .

### Package

Pack = 30Kg consists of :- Powder =25Kg liquid = 5Kg

### Shelf Life

12 months if kept in a dry store in the original unopened packs.

### Storage

Store the material in a cool, covered dry place. Do not expose the pails to direct sunlight and keep away from all sources of heat.

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### Protective and decorative coating for concrete and masonry

Contains cement powders ,which when mixed or become damp ,  
Release alkalis which can be harmful to the skin .  
During using, should avoid inhalation of dust and contact with skin and eyes.  
Wear suitable protective clothing, gloves, eye protection and respiratory  
Protective equipment  
In case of contact with skin, rinse with plenty of clean water then clean  
With soap and water. In case of contact with eyes, rinse immediately  
With plenty of clean water and seek medical advice.  
If swallowed ,seek medical attention immediately  
DO NOT INDUCE VOMITING.



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