

TRI- COAT CM 50

Polymer modified cementations water proofing coat

Description

Tri-Coat CM50 comprises of two component polymer modified cementations coating supplied in ready to mix kits .

Tri-Coat CM50

Can be simply applied by stiff brush, roller ,spray or trowel to obtain the desired texture.

The product is certified by National Organization for Potable water &Sanitary Drainage.

Tri-Coat CM50 has been tested in accordance to: ASTM (C580/C307/C321) Polymer modified protective /decorative coating .

The protective coating shall comprise specially selected cements , graded, Hard wearing aggregates 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.

It shall exhibit positive water pressure resistance up to 7 meter head, Dependent on coating thickness.



Uses

Tri-Coat CM50 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

- Allows water vapour to escape from the structure .
- Water proof – suitable for water retaining structures .
- High resistance to the effects of long term weathering ,durable in
- Flexible with similar expansion similar to concrete .
- Covers honeycombed and pitted poured concrete effectively.
- Waterproof coating for water tanks and reservoirs.

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- Form a flexible film can bridge the hair crack of concrete.
- Can be used as positive and negative water proofing coat.
- Water proof — suitable for water retaining structures.
- Flexible with similar expansion similar to concrete .
- Covers honeycombed and pitted poured concrete effectively.
- Good abrasion resistance.
- Waterproof coating for water tanks and reservoirs.

Technical Data @°25c

DISCRETIONS	VALUE
Color	Grey - white other color on request
Density	2 ± 0.1 kg / L
Compressive Strength ASTM C307	3.84 N/mm ²
Flexure Strength ASTM C580	11.99 N/mm ²
Bonding Strength ASTM C321	1.77 N/mm ²
Rate of use (theoretical)	30 kg / 10 m ² - for 2 mm d.f.t
Chemical resistance	
CL	No effect
NaOH 40 gm / L	No effect
NaOH (SO ₄) ₂ 12 H ₂ O @ 23 °C	No effect
NaOH (SO ₄) ₂ 12 H ₂ 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 CM50**.

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.

Mixing

Pour the liquid part in a bucket then add the powder gradually and mix with suitable Electrical mixer till getting suitable consistency.

Small quantities can be mixed by hand in a bucket.

Large quantities can be mixed by Mixer.

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Application

While the surface is still damp apply the mixed product to the well prepared Surface of concrete or masonry by brush, broom or spray.
Apply two Coats as required Perpendicular.

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

The pails and drums must be stored in a covered area, away from direct sunlight UV and other sources of heat.
The shelf life of the product is up to 12 months if stored as per recommendations.

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.

Health and Safety

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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