

TRI- COAT E 400

non toxic solvent free protective epoxy coating for concrete and steel

Description

Tri -Coat E 400 is a two component, solvent free, non toxic protective floor and Wall coating which is based on epoxy resin and specially selected curing agents

Tri -Coat E 400 is applied to dry surfaces generally as a two coat application.

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

The product is certified by National Research Center.

ASTM (C321/C794/D4060) - EN ISO 1518 - BS 6920 - NSF 60)
And Egyptian standard No 190 , and standard method for Examination of water



Uses

Tri -Coat E 400 is used to provides a non toxic coatings to concrete and metal Surfaces for potable water tanks structures.

- Tanks and silos.
- Soft drinks Factories.
- Warehouses.
- Laundries.
- Care production areas.
- Dairies & dye works.
- Production areas.

Advantages

- Smooth and high build floor coating.
- Solvent free and odourless.
- Excellent adhesion to most substrates.
- Wear & abrasion resistance.
- High mechanical strengths.
- Can be done as Slip resistance.
- Highly Durable.
- High chemical resistance to most common reagents.
- Suitable for the Middle East conditions.

Factory & Head Office:

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Technical Data @°25c

DISCRETIONS	VALUE
Color	White, Grey (others required colors)
Solid Content (by weight)	100 %
Density	1.60± 0.1 kg/l
Mixing ratio, A: B by weight	4: 1
Pot life	30 -45 min. (decreases at higher temperatures)
Initial setting time	8 hours
Final setting time	24 hours
Full hardness	7 days
Re-coating time	20 – 24 hours (depending on weather and DFT conditions)
Min. Application temperature	10° C
Rate of use (theoretical)	3-4 m ² / kg- 200 μ DFT/ Coat (depending on surface conditions)
Mechanical wear EN I 50 1518	No effect
Abrasion resistant ASTM D4060	117 mg loss in weight
Adhesion strength ASTM C321	1.16 concrete failure
Adhesion strength with steel ASTM C321	2.17 MPA
Potable water BS6920	Comply

Chemical Resistance

Chemical Resistance			
Hydro chloride	10 %	30 %	No effect
Sulfuric acid	10 %	30 %	No effect
Acetic acid	10 %		No effect
Sodium hydroxide	50 %		No effect
Potassium hydroxide	50 %		No effect
Sodium chloride	50 %		No effect

Directions for use

Surface preparation

All surfaces should be sound, dry, free from oil, grease loosely adhering particles. Steel surfaces should be free from scale and rust. The concrete age should be 28 days at least.

Priming

Concrete surfaces should be primed with Tri-Prime (see separate data sheet). The primer should be allowed to achieve a tack-free condition before applying **Tri-Coat E400**.



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Mixing

Mix part A(Base) well then pour all the amount of the part B (Hardener) to it. Mix thoroughly by slow speed electric drill (300-500 rpm) until a smooth and even consistency is achieved.

Application

Apply the mixed material to the prepared & primed surface using stiff brush, roller or spray

Cleaning

all tools and equipment should be cleaned immediately after use with white thinner.

Package

5,15 Kg pack,

Storage

should be stored at room temperature in dry warehouse.

Shelf life

Two Years in original packing.

Health and Safety

- Resins contain irritants, especially to the skin, eyes.
- Persons handling these materials should use appropriate protective clothing, Including rubber or plastic gloves.
- If the product should contact the skin, it should be removed immediately With a dry cloth or paper towel, and the areas of contact washed Thoroughly with soap and water.



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