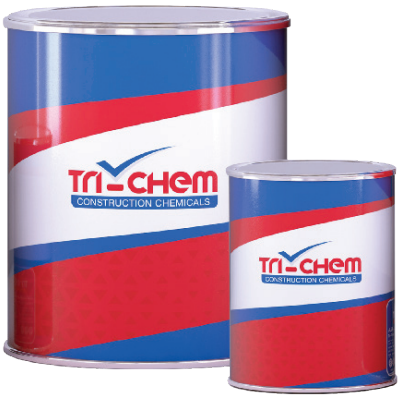
TRI- COAT E 200

Epoxy Resin solvent Base protective Coating



Description

Tri -Coat E 200 is a two component, solvent base, protective coating whichIs based on epoxy resin, solvents, pigments and specially selected curing agents, designs for continuous protection against chemical attack and Abrasion resistance .
It is available in standard colors and special color on request.
The product is certified by National Organization for Potable water &Sanitary Drainage.
The product is certified by National Research Center.
ASTM (C882/ C267/D4060)

Uses

Tri -Coat E 200 could be used to provide a hard wearing, easily cleaned Attractive coating in areas where abrasion resistance and chemical Resistance is required for concrete and steel structure such as:

- Tanks and silos.
- Bottling plants.
- Dairies & dye works.
- Garages.
- Production areas
- Production assembly areas.
- Workshops.
- Kitchen and showrooms and bridge constructions

Advantages

- Smooth and high build coating.
- Excellent adhesion to most substrates.
- Wear & abrasion resistance.
- High mechanical strengths.
- 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 (other required colors)
Solid Content (by weight)	75± 2 %
Solid Content (by volume)	60 ± 2 %
Density	1.40± 0.05 kg/l
Mixing ratio, A: B by weight	3: 1
Pot life	3 hours. (Decreases at higher temperatures)
Initial setting time	2 hours
Final setting time	24 hours
Full hardness	7 days
Re-coating time	8 – 12 hours (depending on weather and DFT conditions)
Min. Application temperature	10 C °
Rate of use (theoretical)	5-6 m^2 / kg- 100 µ DFT/Coat (depending on surface conditions)
Adhesion resistance ASTM C882	1.84 MPA
Abrasion resistance ASTM D4060	10.88 gm loss in weight

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 and loosely adhering particles.
Steel surfaces should be free from scale and rust.

Priming

all 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 E 200**.

ISO 45001 ISO 14001 ISO 9001

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Mixing

Mix component A(Base) well then pour all the amount of the component 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
(Recommended thinner **Tri – Sol No 20**-flash point 25C°.

By brush & roller:
Volume of thinner 1 - 8%
Air spray:
Volume of thinner 1 –12 %
Airless spray application:
Volume of thinner 1-10 % according to DFT required

- Nozzle orifice approx. 0.55- 0.70 mm.
- Nozzle pressure 150 bar.
- Humidity: below 85 % RH.
- Temperature: temperature of the surfaces should be 5˚C min: 35˚C max

Item	Min	Max	Act.
Film thickness wet. (µ)	85	170	125
Film thickness dry. (µ)	50	100	75
Rate of use Theo.(m^2/L)	12	6	8
Recoat time (approx.)	8 – 12 hrs. (Depending on conditions of weather)		

Cleaning

Clean all tools and equipment immediately after use with white spirit.

Package

4 Kg or 16 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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