

TRI- COAT T 500

High performance Coal tar extended epoxy resin coating

Description

Tri-Coat T500 is a two component, Coal tar extended, solvent-based epoxy formulated to provide a coating containing inert reinforcing fillers and special blend of solvents. **Tri-Coat T500** is a corrosion, chemical and abrasion resistant lining specially designed to provide a tough impermeable and resistant film.

Tri-Coat T500 has been tested in accordance to: Egyptian ST3303/2008 Test ASTM D4060
 The product is certified by National Research Center.
 The product is certified by National Organization for Potable water & Sanitary Drainage.



Uses

- Provides protection to concrete and metal structures in aggressive environments.
- Useful in dirty water situations such as sewage works, effluent plants and harbor installation.
- The material is particularly suitable and economic in tanks above and below the ground, pipeline, and foundations.

Advantages

- Good chemical and mechanical resistance.
- High film build in a single coat.
- Provides long term protection
- No primer necessary.

Technical Data @°25c

DISCRETIONS	VALUE
Color:	Black, Brown
Solid Content (by weight)	78 ±2 %
Solid Content (by volume)	65 ±2 %
Density	1.32± 0.10 kg/l
Mixing ratio, A: B by Volume:	4: 1
Pot life	≥4 hr. (decreases at higher temperatures)
Initial setting time	12 hours
Final setting time	24 hours
Full hardness	7 days
Water resistance	Excellent
Abrasion resistance	Good
Min. application temperature	10° C
Rate of use (theoretical)	2.5 -3.3 m ² / kg- 150 μ (depending on surface conditions)

page 1 of 3



Factory & Head Office:

6 October City - 4th Industrial Zone - Al Oula Industrial Zone Plot No.: 14
 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

www.trichem-eg.com

TRI- COAT T 500

High performance Coal tar extended epoxy resin coating

Chemical Resistance

Chemical Resistance	
Sulfuric Acid 10 %	No effect
Gasoline	No effect
chlor	No effect
Sodium Hydroxide 40 gm / L	No effect

Directions for use

Surface Preparation

All The substrate must be clean, sound and free from all contaminants that may have an effect on the adhesion strength like dust, oils and grease, wax, cement laitance, and any other contaminants must be removed by blasting or suitable release agent.

New concrete should be at least 28 days old.

The surface moisture should be less than 4 %.

Holes should be filled with suitable repairing material.

Steel surfaces Should be blasting for cleaning to SIS-Sa 2½ Remove all oil, grease, dirt, etc.

Mixing and top Coat Application

Mix component (A) alone, then add the entire contents of Part B to Part A when thoroughly mixed preferably using a slow speed drill and paddle, mixing well until homogenous state.

Mixing these components in the quantities supplied regarding the mix ratio in technical data.

Tri -Coat T500 may be diluted by Tri- sol 20 (0- 10) % max. depending on the application type and used Tools.

Apply one or more coat by using suitable type of brush or roller or spraying gun.

To good protection recommended total DFT (150 – 200) microns :-

Item	Min	Max	Act.
Film thickness wet. (μ)	100	235	155
Film thickness dry. (μ)	65	150	100
Rate of use Theo.(m ² /L)	10	4	6
Recoat time (approx.)	8 – 12 hrs. (Depending on conditions of weather)		



Factory & Head Office:

6 October City - 4th Industrial Zone - Al Oula Industrial Zone Plot No.: 14
 Tel.: (002) 011 195 48267 - Sales: (002) 010 007 88817 - (002) 011 184 87597
 Technical Support Call : (002) 011 184 87880 - Email: sales@tichem-eg.com

TRI- COAT T 500

High performance Coal tar extended epoxy resin coating

Cleaning

All tools should be cleaned with Tri – Sol 20 immediately after use.

Package

Tri-coat T500: 25 Kg / pack

Storage

should be stored at room temperature in dry warehouse.

Shelf life

Tri-coat T500 and Tri – Sol 20 are flammable. Ensure adequate ventilation when using solvents. Do not smoke during use. In the case of fire extinguish with carbon dioxide or foam. Do not use water jet.

Health and Safety

Tri-coat T500- Tri – Sol 20 Should not come into contact with the skin or eyes, or be swallowed, ensure adequate ventilation and avoid inhalation of vapors. Wear suitable protective clothing, gloves and eye face protection. of vapors.



Factory & Head Office:

6 October City - 4th Industrial Zone - Al Oula Industrial Zone Plot No.: 14
Tel.: (002) 011 195 48267 - Sales: (002) 010 007 88817 - (002) 011 184 87597
Technical Support Call : (002) 011 184 87880 - Email: sales@tichem-eg.com

www.trichem-eg.com