

## TRI-ZINC P II

**Zinc - Epoxy and Anti-corrosion coating for Iron and steel**

### Description

**Tri -Zinc P II** a two component epoxy paint modified with zinc phosphate to be used when high resistance to chemicals, corrosion, atmospheric conditions, Humidity and water is required.

**The product is certified by (National Research Center)**

**Tri -Zinc P II** has been tested in accordance to ASTM D4541/B117)

**The product is certified by (Egyptian Petroleum Research Institute)**

**Tri -Zinc P II** has been tested in accordance to ASTM (B117- salt spray test D1748 - Humidity test



### Uses

**Tri -Zinc P II** is used to provide the highest protection against corrosion of iron and steel constructions. It can be used in road and bridge construction Workshops, stores, garages and stairs.

**Tri -Zinc P II** is also used to protect exposed steel reinforcement against rust and to obtain higher bond between steel and concrete.

### Technical Data @°25c

DISCRETIONS	VALUE
Color	White, Grey (others required colors)
Solid Content (by weight)	75± 2 %
Solid Content (by volume )	55 ± 2 %
Density	1.50± 0.105 kg/l
Mixing ratio, A: B by weight	4: 1
Pot life	3 hours. (Decreases at higher temperatures)
Initial setting time	2 hours
Final setting time	24 hours
Full hardness	7 days
Min. Application temperature	10° C
Rate of use (theoretical)	3 -4 m <sup>2</sup> / kg- 100µ DFT/2Coat (depending on surface conditions)
Salt Spray ASTM B117	No rust observed
Bond strength to steel ASTM D4541	1.99 N/MM <sup>2</sup>

page 1 of 3



#### Factory & Head Office:

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### Directions for use

#### Surface Preparation

Steel surfaces should be cleaned back to bright steel.  
The surfaces should be dry and free from dust and loose materials

#### Mixing

The contents of the Part A can should be stirred thoroughly to disperse any settlement. The entire contents of the part B can should be poured into the part A container and the two materials mixed thoroughly until a uniform consistency and color is obtained.

#### Application

Apply **Tri -Zinc P II** to the surface immediately after mixing by Using brush, roller and spray. Applied the second coat after 6 hours at @25 °C  
(Recommended thinner Tri – Sol No 20-flash point 25C°.

By brush & roller:

Volume of thinner 0 - 7%

Air spray:

Volume of thinner 0 –13%

Airless spray application:

-Volume of thinner 0-10 % according to DFT required

Nozzle orifice 0.49-0.54 mm

-Nozzle pressure 15Mpa

Item	Min	Max	Act.
Film thickness wet. (μ)	100	230	185
Film thickness dry. (μ)	55	125	100
Rate of use Theo.(m <sup>2</sup> /L)	10	4	5
Recoat time (approx.)	5 – 12 hrs. (Depending on conditions of weather)		

### Dilution

0 – 13 % with white spirit or **Tri - Sol 20**.

### Cleaning

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

### Package

Group (A+B): 1Kg, 2.5Kg kg, 5 Kg



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### Storage

should be stored at room temperature in dry warehouse.

### Fire

flammable.

### 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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