

## TRI-ZINC RICH II

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

### Description

**Tri -Zinc Rich II** a two component epoxy coat modified with zinc dust to be Used when high resistance to chemicals, ,corrosion , atmospheric conditions, Humidity and water is required.

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

**The product is certified by National Research Center.**

ASTM (D 4060) -BS (6920) NSF60 EN ISO 1518 & Egyptian Standard 190 - 766 - 6447 /2007)



### Uses

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

### Advantages

- Highly efficiency as corrosion resistance.
- Protects ferrous metals.
- Suitable as a primer or self-finish.
- Easily applied by brush or roller or spray.
- Non Toxic

### Chemical Resistance

Chemical Resistance ASTM267	
Sulfuric Acid 10 %	No effect
Gasoline	No effect
chlor	No effect
Sodium Hydroxide 40 gm / L	No effect

## TRI-ZINC RICH II

Zinc rich, Epoxy and Anti-corrosion coating for Iron and steel

### Technical Data @°25c

DISCRETIONS	VALUE
Color	Gray
Solid Content (by weight)	71± 2 %
Solid Content (by volume )	45 ± 2 %
Density	1.60± 0.10 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
Re-coating time	5 – 12 hours (depending on weather and DFT conditions)
Min. Application temperature	10° C
Rate of use (theoretical)	3 -4 m <sup>2</sup> / kg- 100 μ DFT/Coat (depending on surface conditions)
Mechanical Wear EN 150 1518	No effect
Abrasion resistance ASTM D4060	103.8 mg loss in weight
Water resistance	Approved

### Directions for use

#### Preparation

Steel surfaces should be cleaned back to bright steel.  
The surfaces should be dry and free from dust, grease, oil 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 Rich II** to the surface immediately after mixing.

Use brush, roller and spray.

- 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



#### 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- ZINC RICH I I

Zinc rich, Epoxy and Anti-corrosion coating for Iron and steel

Item	Min	Max	Act.
Film thickness wet. ( $\mu$ )	100	200	170
Film thickness dry. ( $\mu$ )	45	90	75
Rate of use Theo.(m <sup>2</sup> /L)	10	5	6
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

### 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.

#### 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