



# TARA PAINTS & CHEMICALS

(An ISO 9001:2015 Certified Company)

A - 423 / 14, Mahagujarat Industrial Estate, Sarkhej - Bavla Road, Lane Behind Satyam Arcade,  
Village : Moraiya, Ahmedabad - 382 210, Gujarat (India)

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## 2711 - 2714 Epoxy HB [4:1]

### General Description:

TARALAC INDUSTRIAL EPOXY is an HB solvent-based, two-component epoxy system containing an epoxy resin with TIO<sub>2</sub> content and amide hardener.

### Major Uses:

TARALAC EPOXY is specially formulated to give excellent coating for steel structures, concrete and ideal for the application for commercial, industrial and chemical plants.

### Advantages:

- Chemical and abrasion resistant.
- Flexible and waterproof.
- Gives corrosion-resistant to steel.
- Non – toxic when fully cured.
- Available in a long range of colours.

### Characteristics and Physical Properties:

|               |                                       |                                       |                                      |                                       |
|---------------|---------------------------------------|---------------------------------------|--------------------------------------|---------------------------------------|
| Colour        | Any choice of colour.                 |                                       |                                      |                                       |
| Mixing Ratio  | 4: 1                                  |                                       |                                      |                                       |
| Volume Solids | 65%                                   |                                       |                                      |                                       |
| Pot Life      | <b>10°C (50°F)</b><br><b>12 hours</b> | <b>15°C (59°F)</b><br><b>10 hours</b> | <b>25°C (77°F)</b><br><b>3 hours</b> | <b>40°C (104°F)</b><br><b>2 hours</b> |
| DFT/ coat     | 50 – 120 microns                      |                                       |                                      |                                       |
| Flash Point   | 22°C.                                 |                                       |                                      |                                       |

### Drying Time:

|             |                              |
|-------------|------------------------------|
| To Recoat   | 3 – 5 hrs.                   |
| To Hard dry | 12 hrs – 16 hrs.             |
| Fully Cured | 5 Days.                      |
| Shelf Life  | 1 year.                      |
| Coverage    | 10 – 12m <sup>2</sup> / lit. |

### Mixing and Application:

Mix component A and B at specified ratio ensuring they are completely homogenous. After thoroughly mixing, allow the mixture to stand for 15 – 20 minutes. Apply either by brush, roller or airless spray gun. Method of Application: By brush, roller airless and Conventional Spray

#### Spray Data

##### Conventional Spray

|                 |                       |
|-----------------|-----------------------|
| Nozzle Orifice  | 2 – 3mm.              |
| Nozzle Pressure | 43 – 57 psi           |
| Dilution        | 5 – 10 %              |
| Thinner         | Taralac Epoxy Thinner |

##### Airless Spray

|                 |                       |
|-----------------|-----------------------|
| Nozzle Orifice  | 0.38 – 0.46 mm        |
| Nozzle Pressure | 1138 - 1710 psi       |
| Dilution        | 10 - 15%              |
| Thinner         | Taralac Epoxy Thinner |

All the information given here are as per the results obtained in laboratory & are given in good faith to guide the user but without any warranty, the actual application results might vary depending on the conditions. We are not responsible for any loss, injury or damage resulting from the use of this information



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## Typical Recommended System:

### Steel

|          |         |
|----------|---------|
| BASECOAT | 2 COATS |
| TOPCOAT  | 1 COAT. |

### Concrete

|              |         |
|--------------|---------|
| EPOXY SEALER | 1 COATS |
| TOPCOAT      | 2 COATS |

## Chemical Resistance:

|                          |                        |
|--------------------------|------------------------|
| Salt Spray test 1000 hrs | - Passes as per IS 101 |
| Hydrochloric Acid        | - Very Good.           |
| Nitric Acid, 10%         | - Good.                |
| Acetic Acid, 5%          | - Good.                |
| Sulphuric Acid, 20%      | - Good.                |
| Phosphoric Acid, 20%     | - Good.                |
| Lactic Acid, 20%         | - Good.                |
| Sodium hydroxide, 50%    | - Very Good.           |
| Petrol                   | - Very Good.           |
| Alcohol                  | - Very Good.           |
| Ketones                  | - Good.                |

## Heat Resistance:

Some special grades of Epoxy are stable up to 250C. Except for pigments which may change shade.

## Surface Preparation:

### Steel:

The surface must be clean, dry and free from dust, oil, grease and some foreign matters. Recommended methods for repairing steel are by Sa 2 ½ sandblasting, wire brushing and de-rusting.

### Concrete:

Allow new concrete to cure for 28 days, and surface should be sound and no strange particles prior to application. Ensure that the surface to be coated is properly etched and washed before the application of Taralac Epoxy

### Priming:

- Steel surface should be primed with Taralac Epoxy HB Primers Basecoat prior to applications of top Coat.
- Concrete should be primed with 1 coat of Primer Sealer as a concrete conditioner prior to the application of Top Coat.

### Storage:

Keep resin and hardener in a cool place below 250C. Keep the container tightly closed. The shelf life of 12 months minimum.

### Cleaning of Tools:

All tools should be cleaned with Wash Thinner or Epoxy Thinner as soon as possible.

### Physiological Hazards:

Keep Resin and Hardener away from eyes and skin contact. Good ventilation should be provided particularly in closed work areas. Keep uncured epoxy materials away from the mouth, food or drink, do not use empty tins to store food and do not empty cans into drains. Always wear gloves and safety materials when handling this product. Clean any splashes or smears from the skin immediately, using warm water and soap. Avoid inhaling the vapor.