



# 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)

Tel: (F): +91 8000011774, E-mail: taralac@hotmail.com , taralac@taralac.com Website: www.taralac.com

## 2812 EP 1K Clear

### GENERAL DESCRIPTION:

**EPOXY ZINC RICH (90%)** is a two-component high build epoxy coating to give approximately 90 % Zinc content in dry film and ideally suited for various fertilizers, refinery, chemicals plants & various diverse applications such as tanks, equipment, pipelines, structural steel etc. It is highly tough and abrasion-resistant and has increased weather resistance designed for offering superior performance in highly corrosive chemical & coastal environment. It is also called cold galvanizing.

### FEATURES AND BENEFITS

Easy to apply and can be applied via airless spray, conventional spray, brush or roller. Can be used as a primer coat. Very high resistance to the permeability of water, moisture, oxygen and other atmospheric pollutants. Has high resistance to abrasion and mechanical damage when applied on blast cleaned steel, as it imparts cathodic protection to the base metal. It has no deleterious effect on normal cutting and welding operations.

### CHARACTERISTICS AND PHYSICAL PROPERTIES:

Colour	Light Grey			
Finish	Matt			
Mixing Ratio	1 : 1 by volume Two Pack Cold cured			
Volume Solids %	70% ± 5%			
Zinc Content	44 – 48 %			
Application	Airless Spray, Conventional Spray, Brush, Roller			
Salt Spray Test	60 microns – passes 600 hrs 80 microns – passes 900 hrs 120 microns – passes 1000 hrs			
Pot Life	10°C (50°F)	15°C (59°F)	25°C (77°F)	40°C (104°F)
	12 hours	10 hours	2 hours	1 hour
DFT	45 - 70 microns 75 - 105 microns wet			
Coverage	45 - 60 sq ft/lit per coat			
Specific Gravity	1.5 kg/lit			
Drying Time @25C				
Touch Dry	1 – 3 hrs			
Hard Dry	5 – 10 hrs			
Fully Cured	5 days			
Thinner	TARALAC Epoxy Thinner			
Over Coating Interval	Min: Overnight Max: 5 Days			
Packing Available	4 lt & 20 lt			
Storage Lift	6 months in a sealed container at normal temperature			

### SURFACE PREPARATION:

Paint only clean, dry surfaces. Remove all grease, oil, wax, or other foreign material using cleaning tools, brushing. Blast clean to a minimum of Sa2½. Special care must be taken to remove flux and spatter. Weld should be ground back to avoid pockets where corrosion can occur. The cleaned areas should be coated before the corrosion restarts.

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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## APPLICATION:

### Mixing

Material is supplied in two containers as a unit. Always mix a complete unit in the proportions supplied. Once the unit has been mixed it must be used within the working pot life specified.

- (1) Agitate Base (Part A) with a power agitator.
- (2) Combine entire contents of Curing Agent (Part B) with Base (Part A) and mix thoroughly with power agitator. Use within the stipulated pot life period.
- (3) Application temperature 10 – 50 C & RH below 90%.

Apply by brush, roller or spray. Apply 5 mils wet, which will yield 3.1 mils dry per coat.

## EQUIPMENT

**Brush:** China Bristle

**Roller:** Solvent Resistant Roller Cover 3/8" pile smooth to medium Prewash Roller Cover to remove loose fibres before use.

**Airless Spray:** Minimum 33:1 -1 GPM ratio pump; "0.017-0.026" orifice tip; 3/8" ID high-pressure material hose; 90 PSI line pressure; 60 mesh filter.

If thinning is necessary, thin up to a maximum of 10%, TARALAC Epoxy Thinner only. Apply in good weather when air and surface temperatures are above 50°F (10°C). Surface temperature must be a least 50°F (10°C) above the dew point. For optimum application properties, bring the material to 70-80°F (21-27°C) temperature range before mixing and application. Unmixed material (in closed containers) should be maintained in protected storage between 40° and 100°F (4-38°C). Prolonged atmospheric exposure of this product may detract from performance. Technical and application data herein is to establish a general guideline of the coating and proper coating application procedures. As application, environmental and design factors can vary significantly due care should be exercised in the selection, verification of performance, and use of the coating.

### **Conventional Spray:**

Thin the material as required for application viscosity & apply at the pressure of 3.5 – 4.5 kg.

## SAFETY INSTRUCTIONS

This product is intended for use only by professional applicators in industrial situations by the advice given on this sheet, the Material Safety Data Sheet and the container(s), and should not be used without reference to the Material Safety Data Sheet (MSDS). All work involving the application and use of this product should be performed in compliance with all relevant national, Health, Safety & Environmental standards and regulations. In the event welding or flame, cutting is performed on metal coated with this product, dust and fumes will be emitted which will require the use of appropriate personal protective equipment and adequate local exhaust ventilation. If in doubt regarding the suitability of use of this product, consult International Protective Coatings for further advice.