

# EPOXY ZINC CHROMATE PRIMER

## General Description:

EPOXY ZINC CHROMATE PRIMER is a two-component epoxy primer pigmented with zinc chromate to extend maximum protection to metals from rust. It has excellent chemical resistance against diluted acids, alkalis and sea water due to its high solid content.

## Major Uses:

For use on structural steels in industrial and marine environments.

## Advantages:

- Rust preventive.
- Compatible to all types of topcoat such as Vinyl, Chlorinated rubber, Epoxy MIO, Polyurethane and Acrylics.

## Characteristics and Physical Properties:

Colour	Yellow
Appearance	Eggshell
Specific gravity	1.48kg/L
Volume solids	55%
Flash point	22°C
Mixing ratio	4 : 1
Pot life	6 hours
Surface dry	5 hours
Recoating interval	6 – 12 hours (min) 3 days (max)
Fully cured	7 days
DFT	40 - 50 microns
WFT	70 - 90 microns
Coverage	12 m <sup>2</sup> /L

## Surface Preparation:

### New Steel:

Metal surfaces should be free from grease, oil and other contaminants. Grit blasting is much preferred to wire brushing and other methods of abrasion. Immediately after blasting the surface should be primed with EPOXY ZINC CHROMATE PRIMER.

### Repair and Maintenance:

Remove oil and grease, etc. with suitable detergent. Remove salts and other contaminants by (high Pressure) fresh water cleaning. Clean damaged area thoroughly by power tool cleaning or by abrasive blasting Sa 2 ½. Touch up to full film thickness.

## Mixing and Application:

Mix Resin A and hardener homogeneously as per specified ratio. Manual mixing is applicable for small quantity but mechanical mixing with low RPM is much preferred. Let it stand for 10 – 15 minutes prior to application.

## Method of Application:

Application method	By brush, roller, airless and conventional spray
<b>Spray Data</b>	
Conventional Spray	
Nozzle orifice	2-3 mm.
Nozzle pressure	43-57 psi
Dilution	5-10%
Thinner	EP Thinner # 135
Airless	
Nozzle orifice	0.38-0.46 mm.
Nozzle pressure	1138 psi
Dilution	0-5%
Thinner	EP Thinner # 135

## Typical Recommended System:

**Epoxy Zinc Chromate Primer - 1 coat**

Epoxy or PU Topcoat - 2 coats

## Storage:

Shelf life of 12 months minimum if stored below 25°C.

## Cleaning of Tools:

All tools should be cleaned with Wash Thinner or Epoxy Thinner # 135 as soon as possible.

## Packing:

Available in 4 lit. set and 20 lit. set.

## 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 vapour.

*The above information is given to the best of our knowledge based on laboratory test and practical experience. However, as the paint is often used under condition beyond our control, we cannot guarantee anything but the quality of the paint itself. We reserve the right to change the given data without prior notice.*

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