

# Anupam Enterprises

## Protective Coatings Division

### Anticora E郑 500

#### Epoxy Zinc Phosphate Primer

##### Product Description

**Anticora E郑 500** is a two-component high solid primer with lead free rust inhibitive pigmentation.

##### Features and Benefits

- Easy to apply and can be applied via airless spray, conventional spray, brush or roller.
- Ideal for use as a field primer on interior and exterior steel as part of a system to be topcoated with chlorinated rubber, epoxy and polyurethane topcoats.
- A rust inhibitive primer over iron and steel and protects steel from atmospheric corrosion.
- Provides much higher degree of protection than conventional primers in severe corrosive conditions.
- Excellent resistance to acids, alkalis, water, salts, oils, petroleum solvents.
- Has very low water and water vapour permeability.
- Has excellent adhesion, toughness, abrasion resistance and overall chemical and solvent resistance.
- While inferior surface preparation can never be recommended, **Anticora E郑 500** can tolerate, though with shorter life, power tool and hand cleaned steel surfaces.
- Ideal for high humidity, moisture, marine atmospheres, heavy rains, high temperatures, damp conditions, very low dusty and fungus prone conditions.
- Durable and economical.

##### Recommended uses

Steel structures	Off-shore structures
Petroleum Refineries	Sewage Equipments
Railway Wagons & Coaches	Pulp & Paper Mills
Food Processing Plants	Chemical Processing Equipments
Pipelines	Fertilizer Plants
Power Plants	Shipbuilding Industry

**Surface Preparation:**

**Steel** - The surface should be blast cleaned to **SSPC-SP 10-63T** or **NACE No. 2** i.e. loose rust and scales, dirt, grease, oil, paint, wax, weak oxide films and other contaminants should be removed. Blast cleaning to **SSPC-SP 5-63** or **NACE No. 1** is recommended where heavy corrosive conditions exist or coating is required to be immersed. That means a surface with a grey metallic colour, slightly roughened to form a suitable anchor pattern for coatings. This surface is free of all oil, grease, dirt, mill scale, rust, corrosion products, oxides, paint and other foreign matter. In absence of blast cleaning, prepare the metal surface by wire brushing, sanding, grinding, scrapping or chipping with hand or power tools. Remove all the contaminants. Apply one coat of **Anticora EZP 500**. It can be overcoated with **Durapoxy 200** Epoxy Enamel, **Anuthane Enamel** Polyurethane or **Monocoat Enamel** Polyurethane, **Anuchlor 555 LB** Chlorinated Rubber Enamel.

**Non-ferrous Metals** - Remove dirt, dust, oil, old paint etc. Degrease the surface with degreasing solvents like xylene or tri-chloroethylene. Apply one coat of **Anuprime - 291 Wash Primer** for obtaining maximum adhesion. Apply one or two coats of **Anticora EZP 500**.

**TECHNICAL DATA**

Name/Description	Anticora EZP 500
Type	Two pack cold cured
Composition	Epoxy / Zinc Phosphate
Colour	Grey / Red Oxide
Finish	Smooth and Matt
Volume Solids (mixed)	45± 3%
Mixing Ratio	Base : Hardener 3 : 1 by volume
Pot Life @ 30° C	6 to 8 hours
Dry film thickness per coat	25 to 30 microns
Coverage-(theoretical-no loss)	18 to 15 m <sup>2</sup> /litre
Serviceability @ 30° C	
Dry to touch	1 hour
Hard Dry	Overnight
Recoat	24 hours
Full Cure	7 days
Induction (Sweat-in-time) @ 30° C	30 minutes
Dry heat resistance	120° C
Relative Humidity	90%
Application Temperature	
-minimum	10° C
-maximum	35° C
Solvent/Thinner	Anusol - ETP Thinner
Flash Point	25° C
Packing	4 & 20 litres
Shelf Life	6 months
Precaution	Flammable. Keep away from heat and open flame. Maintain good ventilation and avoid breathing vapours.

### Notes

- Brushes and spray equipments should be cleaned with **Anusol - ETP Epoxy Thinner**.
- The contents should be stirred thoroughly prior to use.
- After mixing Base and Hardener in recommended proportions, allow for 30 minutes induction period or *sweat-in-time (maturing)* before application.
- When overcoating the weathered or aged **Anticora E郑 500**, ensure that the coating is fully free from all contamination such as oil, dust, grease, stains etc.
- This coating should always be thinned with **Anusol - ETP Epoxy Thinner**. The use of alternative thinners can severely inhibit the curing mechanism of the coating.

### Disclaimer:

*Information provided herein is based upon tests believed to be reliable. It does not guarantee the results to be obtained. Nor does it make any express and implied warranty or merchantability, or fitness for a particular purpose concerning the effects or results of such case. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended uses. The application, surface preparation and use of the products are beyond our control and, therefore, entirely your own responsibility.*

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