

## General Description:

EPOBUILD PRIMER ZP is two pack primer based on epoxy resin and zinc phosphate as corrosion inhibiting pigment. It is strong and highly rust – preventing primer when cured. It is highly recommended for application under extreme conditions, on damp steel surfaces and marine environment.

## Major Uses:

As a general purpose primer for epoxy and polyurethane coating system on steel structures subjected to severe and moderate corrosion, marine and industrial environment. It is also used as a shop primer.

## Characteristics and Physical Properties:

Colour	Red, Yellow, White, Gray
Volume solids	56%
Specific gravity	1.35
Flash point	25°C
DFT	50 microns
WFT	100 microns
Coverage	10-12 m <sup>2</sup> /L
Hardener	Epoxy Hardener # 450
Mixing ratio	4 : 1
Pot life	8 hrs.
Drying time:	
To dry	5 – 6 hrs.
Fully cured	7 days
Recoating	6 hrs.(max); 3 hrs.(min)

## Surface Preparation:

### New - Steel:

Surface should be cleaned, free from oil, grease and other contaminants. It should be grit blasted to Sa 2 ½. If sandblasting is not possible, wire brushing or cold phosphate is recommended. The temperature of the substrate should be min. 10°C and 3°C min. above the dew point of the air. All damage of shop primer and contaminants from storage and fabrication should be thoroughly cleaned prior to final painting.

### Other metals, GI steel and alloys:

Thorough degreasing and light abrasive to remove all contamination and to provide proper adhesion.

### Maintenance:

Remove all traces of oil, grease, and other contaminants, salt and other foreign matters by high-pressure water, remove all loose debris and

laitance by abrasive or by power tool blasting. Touch up to full film thickness.

## Mixing and application:

Mix component A and B as per specified mixing ratio. Empty components B to Resin A using mechanical mixer with low RPM. until both components are homogeneously, mix, allow mixture to stand for 5 – 10 minutes prior to application.

Method of Application: by brush, roller, airless and conventional spray	
<b>Spray Data</b>	
<b>Conventional Spray</b>	
Nozzle Orifice	2 – 3mm.
Nozzle Pressure	43 – 57 psi.
Dilution	5 – 10 %
Thinner	EP Thinner # 135
<b>Airless</b>	
Nozzle Orifice	0.38 – 0.46 mm
Nozzle Pressure	1138 – 1710 psi
Dilution	0 – 5%
Thinner	EP Thinner # 135

## Typical Recommended system:

### Procedure I

Epobuild Primer ZP	1 coat
Epoprime HB	1 coat
Epocoat/Masdur	2 coats

### Procedure II

Epobuild Primer ZP	2 coats
Epocoat/Masdur	1 coat

## 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.

## Storage:

Store in cool areas below 25°C. Shelf life of 12 months minimum in close container.

## Physiological Hazards:

EPOBUILD PRIMER ZP does not contain dangerous solvents. Nevertheless, good Ventilation in working rooms is recommended as well as the use of safety tools and equipment. The mixture, in its liquid state is flammable and harmful if swallowed. If contact with eyes or skin occurs, wash well with fresh water and seek immediate medical advice.

*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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