



# EPOXY PRIMER ZPC

Product code: PS1557

## Composition and Application Field

**EVI Epoxy Primer ZPC** is a fast drying polyamide cured, zinc phosphate pigmented Epoxy Primer based on high molecular weight epoxy resin.

The product is particularly recommended for new construction where fast drying and overcoating are required. Suitable for properly prepared carbon steel used in atmospheric environments.

## Use

**Substrates:** Carbon Steel, GI, Concrete and Aluminum  
Recommended for structural steel exposed to corrosive environments.

## Specification

<b>Finish</b>	: Matt
<b>Colour</b>	: White, Gray, Oxide Red
<b>Specific gravity</b>	: 1.4 ± 0.05 grams/ml (mixed) Base-1.52, Hardener – 0.90
<b>Mixed Solids (% by volume)</b>	: 55 ± 2% (Mixed)
<b>Mixing Ratio (by volume)</b>	: 4 base : 1 Hardener
<b>Diluent</b>	: EVI Epoxy Thinner
<b>Pot Life</b>	: 4 Hours
<b>Flash point</b>	: 27°C (mixed)

### Spread Rate:

While the spread rate is directly dependant on the surface profile and also the type of undulations it has, as a thumb rule **EVI Epoxy Yellow Primer** would cover 8 to 10 sq. meters per lit.

**Drying Time (30° C)** : Set to touch: 2 hours.  
: Recoatable: 4-6 hours.

**Recommended DFT** : App 60 – 80 mic per coat.

**Theoretical Coverage** : 7.33 sqm/liter

## Surface Preparation

Surface should be clean and free of any surface contaminants like loose rust, oil grease and any other material that might affect the adhesion of the product. Surface should be prepared as per SSPC SP10 or ISO 8501-1 SA 2.5.

### Mixing

In case of mild conditions of application, remove the previous coat with a mechanical tool, wire mesh, or a mild sweep blast is to be done.

The product is supplied in separate containers (Base and Hardener) Pour all the content of the Hardener component into the base and mix properly preferably using a jiffy mixer, until the product is completely homogenous. Add the appropriate thinner depending on the application method used, usually 5 to 15 percent,

Allow the material to stand for 20 minutes for induction and to allow the bubbles to float and break on the surface.

Always wear recommended PPE (Personal Protective Equipment) when applying this material.

Always ensure that there is adequate ventilation during application not only for health and safety reason but also to aid in solvent evaporation and drying. Avoid high humid conditions i.e., >95% when condensation is likely to interfere and also when the surface temperature is at least 3 degree Celsius above dew point.

## Application Method

Spray	:	Airless Spray
Brush	:	Use for stripe coating and hard to spray areas
Roller	:	Can be used in areas where spray mists And vapours is a problem Like in confined and enclosed spaces.

Application temperature is 10 to 50 degree Celsius.

The minimum temperature required for satisfactory drying is 10 degree Celsius. Never apply the product in the adverse weather conditions and the temperature must be at least 3 degree Celsius above dew point.

## Technical Paint System

EVI EPOXY PRIMER ZPC

**-EVI Epoxy Primer ZPC** 50 – 75 microns

**-EVI Epoxy Topcoat** 50 – 75 microns

\*Or as per EVI technical advice

## Storage & Shelf Life

Under dry and cool condition, Storage stability can be sound up to 18 months in original sealed containers. In no way should the component A & component B be mixed and kept.

## HANDLING

Disposal: As per the guidance and legislations of the local Authority e.g., by controlled landfill. In case of doubt, consult local authority. Do not empty into drains, sewers or other water courses.

Flash Point: 27°C and contains organic solvent.

## Safety Precaution

Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust mask and gloves. Use a barrier cream. Other industrial practices are applicable. Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe vapour or spray.

MSDS is available on request for the safe handling of this product.

## FIRST AID

Eyes: In the event of accidental splashes, flush eyes with warm water immediately and obtain medical advice.

Skin: Wash skin thoroughly with soap and water or approved Industrial cleaner. DO NOT USE solvent or thinners.

Inhalation: Remove to fresh air, loosen collar and keep patient rested.

Ingestion: In case of accidental ingestion DO NOT INDUCE VOMITING. Obtain immediate medical attention.