



SYNTHETIC ZINC PHOSPHATE PRIMER

Product code: PS1401

Composition and Application Field

EVI Synthetic Zinc Phosphate Primer is based on Alkyd resin containing anticorrosive pigments. It is used as a primer coat for many applications especially for protecting the metals and other steel structures against corrosion and is quite versatile. It forms a firm base with good adhesion for EVI Topcoat Enamels.

Substrates: Metals and Steel.

Area of Use: Interiors & Exteriors.

Specification

Finish	: Smooth/Matt
Color	: Red
Specific gravity	: 1.41 ± 0.02
Solids (% by volume)	: 46 ± 1
Diluent	: White Spirit
Flash point	: 38°C

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 Synthetic Zinc Phosphate Primer would cover 8 – 9 sq. meters per liter.

Drying Time (30° C) : Set to touch: 2-3 hours.

Ready for Recoat: App 16 hours.

Recommended DFT : 1 mist coat followed by a good full coat. App 35 - 40 mic.

Surface Preparation

A good surface preparation and following the method statement / recommended system procedure of EVI is an ideal recommendation for the application of EVI Synthetic Zinc Phosphate Primer.

For Metals & Steel Surfaces:

Achieve a good and clean surface by removing all contaminants by cleaning & drying. A laitance free surface should be achieved by good sweep blast or a wire brush. Apply one coat of EVI Synthetic Zinc Phosphate Primer and proceed after drying. Apply one good coat or two nominal coats with a spray or a suitable roller and obtain the desired coverage.

Exclusions for successful application include perpetually wet surfaces and also large cavities on wood, metal or concrete surfaces.

Application Method

Adequate ventilation is an ideal situation as it helps in drying and the good application itself. Avoid high humid conditions i.e., >95% when condensation is likely to interfere and also when the surface temperature is at least 3°C above dew point.

Application: To be done by conventional roller or spray at 2000 – 2500 psi for airless spray or 50 – 60 psi for conventional spray).

Nozzle size: 0.015 - 0.018 inches.

One can add 5 - 10% of EVI General Purpose Thinner for ease of application of brush/roller/or spray viscosity.

Caution: Over diluting would result in sag and run downs.

Paint System

EVI SYNTHETIC ZINC PHOSPHATE PRIMER

- EVI Synthetic Zinc Phosphate Primer	1 coat
- EVI Synthetic Undercoat	1 coat
- EVI Synthetic Enamel Standard Glossy	2 coats

* Or as per EVI technical advice

Storage and Shelf Life

Under dry and cool condition, storage stability can be sound up to 18 months in original sealed containers.

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: 38°C and contains mineral spirit.

Caution: It is strongly advised not to keep open half used drums as it forms a skin on the top layer.

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

Ingestion: In case of accidental ingestion, Do not induce vomiting. Obtain immediate medical attention.