INDUSTRIAL COATING DIVISION

EPOXY ZINC RICH PRIMER Technical Data Sheet

(Component A & Component B)

Product code: PS1553

Composition and Application Field

EVI Epoxy Zinc Rich Primer is a High build top coat based on a high molecular weight epoxy resin and zinc phosphate pigment and forms a two component primer with a suitable catalyst. By virtue of the epoxy resin it has excellent resistance to mild acids, bases and other chemicals. It achieves good build up in one single application. It has outstanding anti-corrosive properties and has a good abrasion resistance.

Substrates: As an anticorrosive primer Containing good quality Zinc for general purpose protection of structural steelwork, chemical plants, pipelines, overhead cranes, steel structures etc.

Area of Use: Steel and Metal Structures, for long time protection.

Specification

Finish:	Smooth/Semi glossy
Color:	Dark Gray
Specific gravity:	Comp A: 1.53 ± 0.02, Comp B: 0.90 ± 0.02 (Mix SG 1.35 ± 0.02)
Solids (% by volume):	48 ± 2
Mixing Ratio:	4 : 1 (Component A: Component B vol / vol)
Pot Life:	2-3 hrs (at 30°C)
Diluent:	EVI Epoxy Thinner
Flash point:	27°C (mixed)
Spread Rate:	
EVI Epoxy Zinc Rich Primer would cover 8 to 10 sq. meters per lit.	
Drying Time (30° C):	Set to touch: <3 Hours Ready for Recoat: App 6-8 hours. (Ultimate curing 7 days)
Recommended DFT:	App 80 - 100 mic. per coat.

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 Epoxy Zinc Rich Primer.

For Metals

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.

In case of detailed Surface preparation is warranted, remove all wax, oil and grease should be removed by solvent cleaning in accordance with the guidelines given by SSPC-SP1. Where necessary remove weld spatter and round off all rough weld seams and sharp edges to a smooth surface. Ideally abrasive blast clean to a minimum standard of Sa 2½ Swedish Standard SIS 05 59 00 or ISO 8501-1:1988. Any surface defects revealed by blast cleaning should be ground, filled or treated in a suitable manner. After blasting, remove dust from the surface. The surface to be coated must be clean and dry with EVI Epoxy Zinc Rich Primer before applying the top coat.

Exclusions for successful application include perpetually wet surfaces and also large cavities on metal and wooden surfaces.

Application Methods

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: A normal brush or a roller may be used for difficult shapes or touchup; however, additional coats may be required to achieve the recommended film thickness. The method of application is recommended for stripe coating welds, edges, rivets etc.

To be done by Airless spray 2000-2400 psi. Nozzle size: 0.015-0.017 inches or conventional spray at 50 – 60 psi. It can even be done with a roller. It is generally recommended to give a mist coat followed by a full coat.

One can add EVI Epoxy thinner for achieving spray viscosity of app 40 – 45 secs on Ford cup 4 ASTM at 30 ° C and for ease of application.

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

Paint System

EVI EPOXY ZINC RICH PRIMER

- EVI Epoxy Zinc Rich Primer	1 coat
- EVI Epoxy Undercoat	1 coat
- EVI Epoxy Topcoat or	2 coats
- EVI Acrylic 2K Top coat	2 coats

* Recommended system to be applied as per surface preparation, or as per EVI technical advice.

Storage and Shelf Life

Under dry and cool condition, storage stability can be sound up to maximum 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: 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. 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.

Date Revised: May 23, 2019