

EPOXY ZINC RICH PRIMER PREMIUM

(Component A & Component B)

Technical Data Sheet

Product code: PS1701

Composition and Application Field

EVI Epoxy Zinc Rich Primer Premium is a good quality zinc rich primer of a high molecular weight epoxy resin two component primer with a catalyst. By virtue of the epoxy resin it has excellent resistance to mild acids, bases and other chemicals. The Zinc component enhances its protective property and helps to protect the surface from many harsh environments. It achieves high film build 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.

Specification

Finish	: Fairly Smooth/Matt
Colour	: Gray
Specific gravity	: Comp A: 2.00 ± 0.02, Comp B: 0.92 ± 0.02 (Mix SG 1.80 ± 0.02)
Mixed Solids (% by volume)	: Comp A: 72 ± 1%, Comp B: 43 ± 0.02% (Mix Vol Sol: 66 ± 0.02%)
Mixing Ratio	: 3:1 (Component A: Component B vol / vol)
Pot Life	: App 2 – 3 hours (at 30°C)
Diluent	: EVI Epoxy Thinner
Flash point	: 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 Zinc Rich Primer Premium would cover 7 to 8 sq. meters per lit.

Drying Time (30°C)	: Set to touch: <30 minutes
	: Ready for Recoat: app 3 – 4 hours
	: Full cure: app 7 days

Recommended DFT : App 80 – 100 mic per coat

Surface Preparation

A good surface preparation and following the statement / recommended system procedure of EVI is an ideal recommendation for the application of EVI Epoxy Zinc Rich Primer Premium.

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 Premium before applying the top coat.

For Aluminium

Degrease and abrade with EVI Epoxy Thinner and wet-or-dry paper. Apply EVI Epoxy Zinc Rich Primer Premium. Immediately follow with the top coat.

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

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 1800-2300 psi. Nozzle size: 0.015-0.019 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 17 – 18 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 PREMIUM

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

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

Ingestion: In case of accidental ingestion, Do not induce vomiting.

Obtain immediate medical attention.