

EPOXY ZINC PHOSPHATE PRIMER WHITE

Product code: PS1551

Composition and Application Field

EVI Epoxy Zinc Phosphate Primer White is a high build polyamide cured epoxy primer based on a high molecular weight epoxy resin and zinc phosphate pigment. The product exhibits excellent resistance to corrosion, mild acids, bases and other chemicals. It has very good adhesion to properly prepared carbon steel and stainless, aluminum and galvanized substrates. **[This product is certified by Dubai Central Laboratory following DM-DLCD-RD-DP21-2180-(IC) Specific Rules for Low Emitting Materials as per the 2017 Al Sa'fat Dubai Green Building Evaluation System. And following the LEED certificate CREDIT C4.2, as per the rules 1113 for the architectural coating, it has a VOC less water and exempt solvents less than 339 g/l.]**

Use

Substrates: As an anticorrosive blast primer for tank exteriors, structural steelwork, chemical plant pipelines, cranes steel structures etc.,

Area of Use: Steel and Metal Structures.

Specification

Finish	: Smooth/Semi Glossy
Colour	: White / grey
Specific gravity	: Comp A: 1.56 ± 0.02 (depending on colour) Comp B: 0.90 ± 0.02 (Mix App 1.35)
Mixed Solids (% by volume)	: 53 ± 2%
Mixing Ratio	: 4 : 1 (Component A: Component B vol / vol)
Pot life	: App 4 – 5 hrs. (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 Phosphate Primer White** 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. : Full cure: app 7 days.
Recommended DFT	: App 60 – 80 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 Phosphate Primer White.

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 Phosphate Primer White before applying the top coat.

For Aluminium:

Degrease and abrade with EVI Epoxy Thinner and wet-or-dry paper. Apply EVI Etch Primer. 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

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Technical Paint System

EVI Epoxy Zinc Phosphate Primer White	
-EVI Epoxy Zinc Phosphate Primer White	1-2 coats
-EVI Epoxy Topcoat	2 coats

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.