

EPOXY RED OXIDE PRIMER

Product code: PS1552

Composition and Application Field

EVI Epoxy Red Oxide Primer is a high build top coat based on a high molecular weight epoxy resin and red oxide 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.

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	: Oxide Red
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)	: $48 \pm 1\%$
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 Red Oxide 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. : Full cure: app 7 days. : App 60 – 80 mic per coat.
Recommended DFT	

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 Red Oxide 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 Red Oxide Primer before applying the top coat.

For Aluminium:

Degrease and abrade with EVI Epoxy Thinner and wet-or-dry paper. Apply EVI Epoxy Red Oxide 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 RED OXIDE PRIMER

- EVI Epoxy Red Oxide Primer
- EVI Epoxy Topcoat

1-2 coats
2 coats

*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.

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The above Data Sheet is based on our experience and extensive laboratory tests. We guarantee only the quality of the product in this Data Sheet. For safety measurements and details refer to the Safety Data Sheet. Evi reserves the right to modify the contents of the Data Sheet at any time and without prior notice as a system requirement in updating the product.

This Technical Data Sheet surpasses all previously issued versions.

March 13, 2017

Date Revised: