Nova Vernici

INDUSTRIAL COATING DIVISION

Technical Data Sheet

EPOXY RED OXIDE PRIMER

Product code: PS1552

Composition and Application Field

NOVA Epoxy Red Oxide Primer is a polyamide cured, high build fast drying primer based on high molecular weight epoxy resins. Specially suitable as a fast drying shop primer for atmospheric exposure.

Use

Substrates: Ferrous steel.
Area of Use: Internal and External when overcoated with the right topcoat.

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 ± 1%
Mixing Ratio	: 4 : 1 (Component A: Component B vol / vol)
Pot life	: App 4 – 5 hrs. (at 30°C)
Diluent	: NOVA 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 **NOVA 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.
Recommended DFT	: App 60 – 80 mic per coat.

Surface Preparation

A good surface preparation and following the method statement / recommended system procedure of NOVA is an ideal recommendation for the application of NOVA Epoxy Red Oxide Primer.

For Metals:
In case of mild conditions of application, remove the prNovaous 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 NOVA Epoxy Red Oxide Primer before applying the top coat.

For Aluminium:
Degrease and abrade with NOVA Epoxy Thinner and wet-or-dry paper. Apply NOVA 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 **NOVA Epoxy thinner** for achiNovang 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

Technical Paint System

NOVA EPOXY RED OXIDE PRIMER	
-NOVA Epoxy Red Oxide Primer	**1-2 coats**
-NOVA Epoxy Topcoat	2 coats

*Or as per NOVA technical advice.

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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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