



Amar Paints

AP EP-PRIME 201

EPOXY RED OXIDE ZINC PHOSPHATE PRIMER

PRODUCT DATA	
DESCRIPTION	A two component Epoxy based polyamide cured anti corrosive primer containing zinc phosphate as corrosion inhibiting pigments.
RECOMMENDED USE	Recommended as a primer on suitably cleaned mild steel surface in various Fertilizer units, Refineries, Chemical and other plants, Transportation industries, steel plants, cement plants, power plants, pulp and paper industries, pharmaceutical industries, etc. for application on tank exteriors, structural steel, pipelines, machineries, vessels, etc. The product is recommended as a primer for mild to moderate corrosion conditions.

PHYSICAL DATA	
COLOUR	Red oxide
FINISH	Flat
SOLIDS BY VOLUME	40 ±3%
THEORETICAL SPREADING RATE	8 sq.mt / lt. at recommended DFT of 50 μ
FLASH POINT	Base: 23°C
DRYING	SURFACE DRY : 1 – 1 ½ hours
CHARCATERISTICS (At 65% Relative Humidity & at 30°C)	HARD DRY : Overnight
SHELF LIFE	BASE : 6 months HARDENER: 6 months

APPLICATION DATA	
MIXING RATIO	Base: Hardener - As per our recommendation
MATURATION TIME	10 – 15 minutes
POT LIFE	6 hours at 30° C
APPLICATION	By Brush / By Air Spray / By Airless Spray
THINNER	Type Epoxy
RECOMMENDED DFT	50 μ
OVERCOATING INTERVAL	MIN : 16 hours MAX : 5 days (Incase it is exceeded, the surface should be roughened by emery scuffing)
COMPATIBILITY	Can be overcoated with Epoxy, PU, Chlorinated Rubber and Synthetic Enamel Primers, Intermediate and Top coats.

SURFACE PREPARATION	The surface of steel should be manually cleaned with mechanical methods like brass wire brush, coarse emery paper, chisel, scraper, power tools, etc. to remove loose rust, dust, old coating, oil, grease, and other foreign contaminants. Wipe the surface with solvent and ensure surface is absolutely dry, moisture and oil free before primer application.
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HEALTH & SAFETY	This is a solvent based paint and care should be taken to avoid inhalation of spray mist or vapour as well as contact between the wet paint and exposed skin or eyes.
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APPLICATION METHOD

Stir the Base part thoroughly. Mix the base and hardener as per our recommended ratio, by volume. Stir the mix thoroughly to attain homogeneity. Add Thinner Type Epoxy into the mix, if required, depending on application method, and stir thoroughly for few minutes. Allow the mixture to stand still (maturation) for about 10-15 minutes to initiate the reaction. Strain the paint through Nylon filter cloth of 100 mesh size and apply uniformly over the surface. All equipments used for above should be properly cleaned.

Application: By Brush / By Air Spray / By Airless Spray

For Brush application, a maximum of 5%, if required, is to be added. Apply uniformly in criss-cross manner and ensure there are no misses. Use quality brushes for paint application.

For Air Spray application:

Thinner : Type Epoxy.

Addition: 10-15%

Nozle Orifice: 1.2 -1.4 mm

Nozzle Pressure: 40-70 p.s.i.

For Airless Spray application:

Thinner : Type Epoxy.

Addition: Max 5%

Nozzle Orifice: 0.28 - 0.33 mm

Nozzle Pressure: 1400-1800 p.s.i.

NOTES

1. Do not apply paint when temperature falls below 10° C or rises above 50° C and when Relative Humidity is above 85%. Do not apply during rain, fog, or mist.
2. Brushes and spray equipment should be cleaned with our recommended thinner otherwise equipment is liable to be damaged.
3. Volume solids will vary depending on shades. Products with different volume solids are also available on requests.
4. DFT variation can be obtained by change in application method / thinning ratio. Contact Amar Paints for further assistance.
5. Shelf life indicated is minimum for this Product and it is subjected to re-inspection thereafter.
Individual component is required to store in cool, dry and covered condition, away from heat and ignition.

DISCLAIMER

To the best of our knowledge, the technical data in our literature are true and accurate at the date of issuance but are subject to change without prior notice. We guarantee our product to conform to the specifications contained therein. WE MAKE NO OTHER WARRANTY OR GUARANTEE OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE. Liability, if any, is limited to the replacement of the product or refund of the purchase price. LABOR OR COST OF LABOR AND OTHER CONSEQUENTIAL DAMAGES ARE HEREBY EXCLUDED.

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