



Amar Paints

AP PU-PRIME 101

POLYURETHANE BASED ZINC PHOSPHATE PRIMER

PRODUCT DATA

DESCRIPTION	Two component air drying polyurethane based primer containing zinc phosphate as anti corrosive pigment.
RECOMMENDED USE	Recommended as a primer for suitably cleaned MS surface in OEM equipment painting as well as an anti corrosive primer in Process industries like fertilizer plants, Refineries, Petrochemical complexes for protection of steel pipelines and structures from corrosion.

PHYSICAL DATA

COLOUR	Grey
FINISH	Matt
SOLIDS BY VOLUME	40 ±3%
THEORETICAL SPREADING RATE	13.33 sq.mt / lt. at recommended DFT of 30 μ
FLASH POINT	Base: 23°C
DRYING	SURFACE DRY : 30 minutes
CHARACTERISTICS	HARD DRY : 24 hours
(At 65% Relative Humidity & at 30°C)	FULL CURE : 7 days
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 P.U.
RECOMMENDED DFT	30 –35 μ
OVERCOATING INTERVAL	MIN : 16 hours MAX : 5 days (Incase it is exceeded, the surface should be roughened by emery scuffing)
COMPATIBILITY	Can be top coated with Epoxy, Polyurethane, Chlorinated rubber and Alkyd based Intermediate and Finish coatings.

SURFACE PREPARATION	The surface should be absolutely dry for application. It should be free from loose rust, dust, dirt, oil, grease, soluble salts and loosely bonded old coating.
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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 P.U. 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 P.U.

Addition: 10-15%

Nozzle Orifice: 1.2 -1.4 mm

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

For Airless Spray application:

Thinner : Type P.U.

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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