

GP PRIME 201

EPOXY REDOXIDE ZINC PHOSPHATE PRIMER

Description

Two component Epoxy based anti corrosive primer containing red oxide and zinc phosphate as corrosion inhibiting pigments

Recommended Use

This product is 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. Not to be recommended for immersed water condition.

Physical Data

COLOUR	: Red
FINISH	: Matt
SOLIDS BY VOLUME	: $40 \pm 3\%$
THEORETICAL SPREADING RATE	: 13.33 sq.mt. /ltr. at DFT of 30μ
FLASH POINT	: Base : Above 23°C Hardener : Above 23°C
DRYING CHARACTERISTICS (At 300 C & 65% Relative Humidity)	: SURFACE DRY : 60 - 90 minutes HARD DRY : Overnight FULL CURE : 7 days
SHELF LIFE	: BASE : 6 months HARDENER : 6 months

Surface Preparation

Abrasive blasting to Sa 2 1/2 Swedish Standards is the best method of surface preparation. In case blasting is not possible, then the surface of steel should be cleaned to St-2/St-3 std. The surface should be absolutely dry, moisture and oil free before primer application.

Application Data

MIXING RATIO	: Base : Hardener (As per our recommendations)
APPLICATION	: By Brush / By Conventional Spray
THINNER	: Type 002
POT LIFE	: 4 hours min at 30°C
RECOMMENDED DFT	: $30 - 40\mu$.
OVERCOATING INTERVAL	: MIN : 8 hours MAX : 24 hours
COMPATIBILITY	: Compatible with Epoxy, PU, Chlorinated Rubber and Synthetic Enamel finish paints.

Application Method

Stir the Base part thoroughly. Mix the base and hardener as per our recommended ratio, by volume. Stir the mix, gently to attain homogeneity. Allow the mixture to stand still (maturation) for about 10-15 minutes to initiate the reaction. Add Thinner Type 002 into the mix, if required, depending on application method, and stir gently for few minutes. Strain the paint through Nylon filter cloth and apply uniformly over the surface. All equipments used for above should be properly clean.



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Application : By Brush / By Conventional Spray / By Airless Spray

Generally no thinner is required for Brush application; however under adverse environmental conditions about 5% of thinner, by volume, can be added. Apply evenly in crossed manner, ensuring the uniform application. Use quality brushes for paint application.

For Conventional Spray application:

Thinner : Type 002
 Addition : 10-15%
 Nozzle Orifice : 1.2 - 1.4 mm
 Nozzle Pressure : 40-70 p.s.i.

For Airless Spray application :

Thinner : Type 002
 Addition : Max 5% if required
 Nozzle Orifice : 0.37- 0.42mm
 Nozzle Pressure : 1400-1800 p.s.i.

Additional Information

Further information regarding industry standards, terms and abbreviations used in this data sheet can be found in the following section of Grand Polycoats' latest Data manual :

- Guide to Product Data Sheet
- Surface Preparation Details
- Paint Application Details
- MSDS

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. Surface temperature must always be minimum of 3°C above Dew point.
2. Brushes and spray equipment should be cleaned with GP's recommended thinner otherwise equipment is liable to be damaged.
3. Products with different volume solids e.g. 50% as 201 HB and also with "Amine Hardner as suffix A " are available on requests.
4. DFT variation can be obtained by change in application method/thinning ratio. Contact Grand Polycoats representative for further assistance.
5. Shelf life indicated is minimum for this Product in sealed conditions and it is subject to re-inspection thereafter. Individual component is required to be stored in cool, dry and covered condition, away from heat and ignition.

Health & Safety

This is a solvent based paint and care should be taken to avoid inhalation of spray mist or vapours as well as contact between the wet paint and exposed skin or eyes.

Limitation of Liability

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 herein. We make no other warranty or guarantee of any kind, express or implied, including merchantability and fitness for particular purpose. Liability, if any, is limited to replacement of the product or refund of the purchased price. Labour or cost of labour and other consequential damages are hereby excluded.



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