

# GP PRIME 206 FR

## EPOXY ZINC PHOSPHATE PRIMER

### Description

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

### Recommended Use

It is an ideal primer where faster turnaround of equipment is desired, Hence making it ideal primer for industrial and Infrastructure equipments, heavy machineries etc exposed to medium corrosive and marine environment. It is also recommended for steel structures in Chemical, Fertilizers, Petrochemical and industrial plants. Not to be used for immersion application.

### Physical Data

COLOUR	: Grey, Yellow, Beige, Red oxide
FINISH	: Egg Shell
SOLIDS BY VOLUME	: $48 \pm 3\%$ (Depends on shade)
THEORETICAL SPREADING RATE	: 16 sq.mt /lit at recommended DFT of $30\mu$
FLASH POINT	: Base : Above $23^{\circ}\text{C}$ Hardener : Above $23^{\circ}\text{C}$
DRYING CHARACTERISTICS (At 65% Relative Humidity & at $30^{\circ}\text{C}$ )	: SURFACE DRY : 45 minutes max DRY TO HANDLE: 3 hr's max 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 $30^{\circ}\text{C}$
RECOMMENDED DFT	: 30 - $40\mu$ .
OVERCOATING INTERVAL	: MIN : 2 hours MAX : 24 hours
COMPATIBILITY	: Can be over coated with Epoxy, PU, Chlorinated rubber and Oleo-resinous topcoats.

### 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 of 100 mesh size and apply uniformly over the surface. All equipments used for above should be properly cleaned.



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**ISO 14001**

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 criss-cross manner and ensure 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 psi.

#### For Airless Spray application :

Thinner : Type 002

Addition : Max 5% if required.

Nozzle Orifice : 0.37- 0.42mm

Nozzle Pressure : 1400-1800 psi.

### 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% or 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 Ld/Cr free version are available on requests.
4. Product for flow coat applications is also available on request.
5. DFT variation can be obtained by change in application method/thinning ratio. Contact Grand Polycoats representative for further assistance.
6. In case over coating interval exceeds the specified time duration than surface should be lightly scuffed with emery paper followed by solvent wipe.
6. 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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