

GP PRIME 205 HV

EPOXY ZINC RICH PRIMER

Description

Two component metallic zinc rich epoxy high performance primer.

Recommended Use

The zinc pigment in dry film renders excellent protection to steel structure, tanks, bullets, dam gates, pipelines, plant equipments, jetty, etc. in both interior and exterior exposed conditions of fertilizer units, chemical plants, steel plants, cement plants, pulp and paper industries, ports, power plants, petrochemical and pharmaceutical industry, transformer, machines & other heavy duty OEMs. It also provides cathodic protection to steel and gives good resistance to corrosion at local damaged areas. It is useful in heavy-duty protective paint systems. It is recommended not to expose the primed coat alone to chemical and saline atmosphere for a long time.

Physical Data

COLOUR	: Grey
FINISH	: Matt
SOLIDS BY VOLUME	: $59 \pm 3\%$
PERCENTAGE ZINC ON DRY FILM	: $82 \pm 2\%$ metallic zinc content on dry film
THEORETICAL SPREADING RATE	: 7.9 sq. mt./ltr at recommended DFT of 75μ
FLASH POINT	: Base : Above 23°C Hardener : Above 23°C
DRYING CHARACTERISTICS (at 30°C & at 65% Relative Humidity)	: SURFACE DRY : 60 - 70 minutes HARD DRY : Overnight FULL CURE : 7 days
SHELF LIFE	: BASE : 6 months HARDENER : 6 months

Surface Preparation

Abrasive blasting to minimum Sa 2 1/2 Standards is recommended with a profile of 35 - 75 microns. The surface should be absolutely dry and salt free before application. The primer should be applied preferably immediately or within 4 hours of blasting.

Application Data

MIXING RATIO	: Base : Hardener (As per our recommendations)
APPLICATION	: By Brush / By Conventional Spray / By Airless Spray
THINNER	: Type 002
POT LIFE	: 4 hours min at 30°C
RECOMMENDED DFT	: 75-100 microns
OVERCOATING INTERVAL	: MIN : 8 hours MAX : Indefinite
COMPATIBILITY	: Compatible with Epoxy, PU, Chlorinated Rubber intermediate/finish coat.

Application Method

Stir the Base part thoroughly with power stirrer. Mix the base and hardener as per our recommended ratio, by volume. Stir the mix gently to attain homogeneity. Add Thinner Type 002 into the mix, depending on application method, and stir gently 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 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 brushing is not recommended. However for small /touch up area with 5% max. Thinner addition it can be used. . Apply evenly in crossed manner ensuring uniform application. Use quality brushes for paint application

For Conventional Spray application:

Thinner : Type 002
Addition : 15-20%
Nozzle Orifice : 1.8 - 2.2 mm
Nozzle Pressure : 40-70 psi.

For Airless Spray application :

Thinner : Type 002
Addition : Max 5% if required
Nozzle Orifice : 0.47-0.52 mm
Nozzle Pressure : 2100-2400 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%. 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. DFT variation can be obtained by change in application method/thinning ratio. Contact Grand Polycoats representative for further assistance.
4. The product with higher Zinc metal content i.e. 90% is available on request.
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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