

# GP PRIMEGUARD 235

## SURFACE TOLERANT HIGH BUILD HIGH SOLIDS EPOXY COATING

### Description

Two component, air drying, high solids, Epoxy coating. The product has the advantage of epoxy resin composition with speciality pigment, which facilitates one-coat, high build application for high performance. The product can be applied on minimum prepared surface and is designed to completely wet the substrate. Excellent adhesion is obtained on a variety of intact surfaces including over old coating and tightly adherent rust. The composition has been balanced to a convenient mixing ratio by volume with excellent application characteristics. The low solvent content reduces the problem of lifting of the paint film and adhesion failure by blistering and pin holing. This assures a stable long term performance.

### Recommended Use

It is mainly recommended in those areas where blasting is impractical or impossible. Uses include steel structures in Industrial plants, bridges, tank exteriors, oil tanks, pipes, marine atmosphere, cooling towers, etc. It has good resistance to spillage and fumes of acids, alkalis, fresh and salt water. 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.

### Physical Data

COLOUR	: Selected industrial shades
FINISH	: Semi glossy
SOLIDS BY VOLUME	: 80 ± 2%
THEORETICAL SPREADING RATE	: 10 sq.mt. /ltr. at a recommended DFT of 80 μ
FLASH POINT	: Base : Above 25°C Hardener : Above 25°C
DRYING CHARACTERISTICS	: SURFACE DRY : 4 hours FULL CURE : 7 days
(At 65% Relative Humidity & at 30°C)	HARD DRY : Overnight
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 / By Airless Spray
THINNER	: Type 002
POT LIFE	: 2 - 3 hours min at 30° C
RECOMMENDED DFT	: 75-100 mic.
OVERCOATING INTERVAL	: MIN : 8 hours MAX : 24 hours
COMPATIBILITY	: Can be over coated with Epoxy, PU, Chlorinated rubber and Oleo-resinous topcoats.



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**ISO 14001**

## 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.

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 uniformity. Use quality brushes for paint application.

### For Conventional Spray application :

Thinner : Type 002

Addition : Max 10 - 15%

Nozzle Orifice : 2-3 mm

Nozzle Pressure : 40-70 psi.

### For Airless Spray application:

Thinner: 002

Addition: Max 5%, if required.

Nozzle Orifice: 0.48-0.53 mm

Nozzle Pressure: : 2700-3200.Ps.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, MIO pigmented also with Amine Hardener 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 condition 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.

## 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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