

GP PRIME 216 HBHS

EPOXY HIGH BUILD PRIMER

Description

Two components faster recoatable air-drying, high build Epoxy primer. The product is based on epoxy resin composition with specialty pigments, which facilitates high-build application for high performance. Due to its excellent adhesive property, product has a surface tolerant characteristic, can be applied over a variety of old coating and tightly adherent rusty steel.

Recommended Use

It is an ideal primer where faster turnaround of equipment is desired, Hence making it ideal for Infrastructure equipments, heavy machineries etc exposed to medium corrosive environment. It is also recommended for steel structures in industrial plants, bridges, tank exteriors, oil tanks, pipes, cooling towers, power plant etc.

Physical Data

COLOUR	: Industrial shades
FINISH	: Egg Shell to Matt
SOLIDS BY VOLUME	: 63 ± 3 %
THEORETICAL SPREADING RATE	: 8.4 sq.mt/ltr at a recommended DFT of 75 μ
FLASH POINT	: Base : Above 25°C Hardener : Above 25°C
DRYING CHARACTERISTICS	: SURFACE DRY : 30 minutes max FULL CURE : 7 days
(At 65% Relative Humidity & at 30°C)	TACK FREE TIME : 3 hours max
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 than manual cleaning by mechanical methods like wire brush, emery paper, hand / power tools, etc. to achieve St-2 / St-3 cleaning standards of Swedish specification. The surface should be free from moisture, oil, dust and dirt and should be absolutely dry before painting. Removal of loose rust is a must.

Application Data

MIXING RATIO	: Base : Hardener (As per our recommendations)
APPLICATION	: By Brush / By Conventional Spray
THINNER	: Type 002 / 006 / 003
POT LIFE	: 2 hours min at 30° C
RECOMMENDED DFT	: 75-100 mic.
OVERCOATING INTERVAL	: MIN : 2 hours MAX : 24 hours
COMPATIBILITY	: Compatible with Epoxy, PU, Oleoresinous and Chlorinated Rubber Finish Paints.

Application Method

Stir the Base part thoroughly. Mix the base and hardener in the recommended ratio by volume. Stir the mix thoroughly to attain homogeneity. Allow the mixture to stand still (maturation) for about 10 minutes to initiate the reaction. Add Thinner Type 002 into the mix, depending on application method, and stir thoroughly for few minutes. Strain the paint through Nylon filter cloth and apply uniformly over the surface. All equipments used for above should be properly cleaned. For application over a oleo resinous coating thinner Type 003 Or 006 to be used however for cleaning the painting equipments and vessel thinner type 002 must be used.



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

For Brush application, about 5-10% thinner is required to be added. Use quality brushes for paint application; Brushes made up of hog bristles are highly recommended. Size of the brush should be in proportion to the work in hand. Large size brushes (100-125 mm) for large areas and small brushes (25-50 mm) for narrow areas should be used

For Conventional Spray application :

Thinner : Type 002

Addition : 5 - 10 %

Nozzle Orifice : 2 - 3 mm

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

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 MIO pigmentation and also with various amine Hardeners 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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Grand Polycoats Co.Pvt.Ltd. 204, Siddharth Complex, R.C. Dutt Road, Vadodara - 390007, (Gujarat) India.

Tel.: +91-265-3064200 / 3064201 Fax: +91-265-2337022

E-mail: marketing@grandpolycoats.com Website: www.grandpolycoats.com

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