

GP GUARD HB 234

EPOXY HIGH BUILD FINISH PAINT

Description

Two component, air drying, High build Epoxy Polyamide cured finish paint.

Recommended Use

It is recommended for application on structural steel, pipelines, storage tanks, etc. subjected to aggressive environment. It can be used on submerged steel, under water pipelines, ballast water tanks, mud tanks, drill water tanks, cargo holds carrying grain and dry cargo. Suitable for application on concrete walls and columns. It is very much useful in fertilizer plants, chemical units, refineries and petrochemical complexes, tank farms, offshore installations and various other industries including aqua culture.

Physical Data

COLOUR	: Industrial shades
FINISH	: Semi glossy /Matt
SOLIDS BY VOLUME	: $58 \pm 3\%$ (Depends on shade)
THEORETICAL SPREADING RATE	: 8.92 sq.mt. /ltr. at a recommended DFT of 65μ
FLASH POINT	: Base : Above 23°C Hardener : Above 23°C
DRYING CHARACTERISTICS (At 65% Relative Humidity & at 30°C)	: SURFACE DRY : 120 - 150 minutes HARD DRY : Overnight
SHELF LIFE	: BASE : 6 months HARDENER : 6 months

Surface Preparation

This being finish paint, it is applied either over primer or Intermediate coat. The surface should be moisture, oil and dust free before application. In case of aged epoxy coating, the surface should be sufficiently roughened prior to painting.

Application Data

MIXING RATIO	: Base : Hardener (As per our recommendations)
APPLICATION	: By Brush /By Airless Spray
THINNER	: Type 002
POT LIFE	: 4-6hrs min at 30°C
RECOMMENDED DFT	: $65 - 75\mu$.
OVERCOATING INTERVAL	: MIN : 8 hours MAX : 3 days
COMPATIBILITY	: Can be top coated by Epoxy, PU, Chlorinated rubber and synthetic enamel 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.

Application: By Brush /By Airless Spray



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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 Airless Spray application :

Thinner : Type 002

Addition : Max 5%, if required.

Nozzle Orifice : 0.33 - 0.48 mm

Nozzle Pressure : 2100-2400 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. Product with different volume solids & with Amine Hardener for select solvent storage tank coating are also available on requests. Volume solids will vary depending on shades.
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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