

GP GUARD HB 240

EPOXY HIGH BUILD COATING

Description

Two component, air drying, High build Polyamine cured Epoxy coating.

Recommended Use

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 and drill water tanks. It also can be applied on concrete walls and columns over suitable primer. It is very much useful in fertilizer plants, chemical units, refineries and petrochemical complexes, tank farms, offshore installations, etc.

The direct exposure to sunlight is to be avoided as coating undergoes rapid discoloration & chalking. Under such conditions, it should be top coated with Aliphatic Polyurethane coating. It has excellent resistance to crude oil, selected refined petroleum products and chemicals. Recommended as a finish coat for internal tank lining paint systems for selected chemicals and solvents.

Product has good mechanical properties & resistance to hot water.

Physical Data

COLOUR	: Available in Industrial shades
FINISH	: Semiglossy
SOLIDS BY VOLUME	: $65 \pm 3\%$ (Depends on shade)
SPREADING RATE	: 8.66 sq.mt./lt. at a DFT of 75μ
FLASH POINT	: Base: Above 25°C Hardener: Above 25°C
DRYING CHARACTERISTICS (At 65% Relative Humidity & at 30°C)	: SURFACE DRY : 60-90 minutes HARD DRY : 8hrs FULL CURE : 7 days
SHELF LIFE	: BASE : 6 months HARDENER : 6 months

Surface Preparation

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

Application Data

MIXING RATIO	: Base : Hardener (As per our recommendations)
APPLICATION	: By Brush / By Conventional Spray / By Airless Spray
THINNER	: Type 002
POT LIFE	: 3 hours min at 30°C
RECOMMENDED DFT	: 75 - 100 μ .
OVERCOATING INTERVAL	: MIN : 6 hours MAX : 24 hours
COMPATIBILITY	: Can be top coated by PU, epoxy, Chlorinated rubber and synthetic enamel paints. Compatible with Epoxy and zinc rich primers.

Application Method

Stir the Base part thoroughly. Mix the base and hardener in the recommended ratio by volume. Stir the mix gently to attain homogeneity. Add Thinner Type 002 into the mix and stir gently for few minutes. Allow the mixture to stand still (maturation) for about 10-15 minutes to initiate the reaction. All equipments used for above should be properly clean.



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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 uniformly in criss-cross manner and ensure there are no misses. Use quality brushes for paint application.

For Conventional Spray application :

Thinner : Type 002
 Addition : 5-15%
 Nozzle Orifice : 1.8-2mm
 Nozzle Pressure : 45-75 PSI

For Airless Spray application :

Thinner : Type 002
 Addition : Max 5%, if required.
 Nozzle Orifice: 0.33 - 0.38 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. Different variety with improved resistance to discoloration available.
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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