

GP GUARD 232

COAL TAR EPOXY COATING

Description

Two components, air-drying, high build, Epoxy- polyamide coal tar coating.

Recommended Use

A high performance protective paint offering excellent water resistance properties because of epoxy and it's blending with specially treated coal tar. It is also suitable for direct application on concrete. This product in system with Epoxy zinc rich primer or inorganic zinc silicate primer gives excellent resistance to mild steel structures against the effect of saline conditions. It can be used for application on dam gates, fly over and bridges, power plants, effluent treatment plants, concrete foundations under water and under soil applications. LPG bullets mounted or underground, on shore and off shore applications, inside of storage tanks (subject to storage material) etc.

Physical Data

COLOUR	: Black /Dark Brown
FINISH	: Egg Shell
SOLIDS BY VOLUME	: 70 ± 3%
THEORETICAL SPREADING RATE	: 9.33 sq.mt./ltr. at recommended DFT of 75 μ
FLASH POINT	: Base : Above 23°C Hardener : Above 23°C
DRYING CHARACTERISTICS (At 30°C & 65% Relative Humidity)	: SURFACE DRY : 4 hours. HARD DRY : Overnight.
SHELF LIFE	: BASE : 6 months HARDENER : 6 months

Surface Preparation

Sand blasting to Sa 2½ Swedish standards. If blast cleaning is not feasible, then the surface should be manually cleaned by mechanical methods like coarse emery paper sanding, wire brushing, scraper, chisel, hand / power tools, etc. to achieve Sa2 / St3 grade of surface cleanliness, as per Swedish specification. The surface should be clean, dry & free from contamination before application.

Application Data

MIXING RATIO	: Base: Hardener (As per our recommendation)
APPLICATION	: By Brush / By Airless Spray
THINNER	: Type 002
POT LIFE	: 4-6hrs min at 30°C
RECOMMENDED DFT	: 75 - 100 μ.
OVERCOATING INTERVAL	: MIN : 24 hours MAX : 5 days
COMPATIBILITY	: Not to be top coated, by any solvent based paints, other than self. Can be top coated by special water based emulsion paints. Can be applied over Epoxy primer & intermediate coats, Zinc rich primers.

Application Method

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 and stir thoroughly for few minutes. All equipments used for above should be properly cleaned.



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Application : By Brush /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. 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 Airless Spray application:

Thinner: 002

Addition: Max 5%, if required.

Nozzle Orifice: 0.41-0.48 mm

Nozzle Pressure: 2800-3400 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' Data manual :

- Guide to Product Data Sheet
- Surface Preparation Details
- Paint Application Details
- Health & Safety Sheet

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, with Amine Hardener are also 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 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 vapour as well as contact between the wet paint and exposed skin or eyes. Please refer our directive sheet on Health & Safety and MSDS.

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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R: 01/ 06: 08 This supersedes all earlier versions of this product data sheet.