

GP HISOLS 271

HIGH BUILD EPOXY SOLVENT LESS COATING

Description

Two-component air-drying solvent less Epoxy Polyamide / Polyamine cured coating available in select industrial shades.

Recommended Use

This product is recommended as a finish coat over GP PRIME range of Epoxy primers. The product exhibits excellent chemical resistance and good solvent resistance for Tanks, floor & Structural steel.

It is not recommended for exposure to direct sunlight. For better colour retention and aesthetics, it is recommended to be coated with aliphatic polyurethane paint.

Physical Data

COLOUR	: Light Grey, Dark Grey
FINISH	: Glossy
SOLIDS BY VOLUME	: 98 ± 2%
THEORETICAL SPREADING RATE	: 6.53 sq.mt. /ltr. at a recommended DFT of 150µ
FLASH POINT	: Base : Above 45°C Hardener : Above 45°C
DRYING CHARACTERISTICS (At 30°C and 65% Relative humidity)	: SURFACE DRY : 4 hour max HARD DRY : 24 hours FULL CURE : 7 Days
SHELF LIFE	: BASE : 6 months HARDENER : 6 months

Surface Preparation

The surface of primer over which this product is applied, should be free from oil, moisture, dust and dirt. Aged epoxy coating should be roughened by emery paper grade 220 for better bonding.

Application Data

MIXING RATIO	: Base : Hardener (As per our recommendation)
APPLICATION	: By Brush / By Airless Spray.
THINNER	: 002
POT LIFE	: 45 minutes min at 30° C
RECOMMENDED DFT	: 100 - 150µ
OVER COATING INTERVAL	: Second coat of same paint may be applied when first coat is near tack free (2-4 hours depending upon environmental conditions) . If recoating time is exceeded the surface should be roughened by through emery paper scuffing - grade 220.
COMPATIBILITY	: Recommended for application over suitable Epoxy primers. Can be top coated with range of aliphatic and aromatic polyurethane topcoats for improved aesthetics retention.

Application Method

Stir the Base part thoroughly. Mix the base and hardener as per our recommended ratio, by volume. Stir the mix thoroughly to attain homogeneity. Use of power stirrer is strongly recommended. Allow the mixture to stand still (maturation) for about 10-15 minutes to initiate the reaction. Apply uniformly over the surface. All equipments used for above should be properly cleaned.



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Application: By Brush / By Trowel / By Airless Spray

For Brush application, apply evenly in criss-cross manner and ensure the uniformity. Use quality brushes for paint application.

For Airless Spray application :

Thinner: Not to be added

Nozzle Orifice: 0.43 - 0.55 mm

Nozzle Pressure: 2700-3200 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. DFT variation can be obtained by change in application method. Contact Grand Polycoats' representative for further assistance.
4. 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.
5. Products with amine curing agent are also available on requests.

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



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