

GP BOND 144 HBHS

ACRYLIC ALIPHATIC PU HIGH BUILD FINISH PAINT

Description

Two-component Air Drying Acrylic Aliphatic, Non Yellowing polyurethane finish coating.

Recommended Use

It is recommended as an Ideal topcoat for a OEM industries as it exhibits excellent weathering resistance and Colour retention. It is flexible to withstand temperature variations with excellent humidity resistance.

It is recommended as topcoat with suitable primers and undercoats for use in High Chemical & Saline atmosphere for better aesthetics and corrosion resistance in Chemical Plants, Offshore structures industries, Power Plants, Petrochemicals & Pharmaceutical Complexes, Cement & Steel Plants, Smelters, Transportation Industries, Infrastructure Projects etc.

Physical Data

COLOUR	: Assorted shades.
FINISH	: Glossy / Semi-glossy / Matt
SOLIDS BY VOLUME	: 57 ± 3% (Depends On Colour)
THEORETICAL SPREADING RATE	: 11.4 sq.mt / ltr @ recommended DFT of 50 μ
FLASH POINT	: Base: Above 23° C Hardener: Above 23° C
DRYING CHARACTERISTICS (At 30°C & 65% Relative Humidity)	: SURFACE DRY : 120 minutes max HARD DRY : Overnight FULL CURE: 7 Days
SHELF LIFE	: BASE: 6 months HARDENER: 6 months

Surface Preparation

This being a topcoat, which is applied over underneath primer or intermediate coats, the surface should be free from oil, moisture, dust and dirt. Aged coatings 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 Conventional Spray / By Airless Spray
THINNER	: Type 001
POT LIFE	: 4 hours min at 30°C
RECOMMENDED DFT	: 50 - 75 μ .
OVERCOATING INTERVAL	: MIN : 8 hours MAX : 24 hours
COMPATIBILITY	: Can be applied over Epoxy and Polyurethane primers and Intermediate coatings.

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. Add Thinner Type 001 into the mix, if required, depending on application method, and stir gently for few minutes. Allow the mixture to stand still (maturation) for about 10-15 minutes to initiate the reaction. Strain the paint through Nylon filter cloth of 400 mesh size and apply uniformly over the surface. All equipments used for above should be properly clean.



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

For Brush application, generally no thinner is required to 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 001

Addition : 5 - 15%

Nozzle Orifice : 1.2 - 1.4 mm

Nozzle Pressure : 40-70 p.s.i

For Airless Spray application:

Thinner : Type 001

Addition : Max 5%, if required.

Nozzle Orifice : 0.28 - 0.37 mm

Nozzle Pressure : 1400-1800 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. Volume solids will vary depending on shades. Specific shades free from toxic pigment like Lead, Chrome, cadmium version is also available on request.
4. Product for flow coat applications is also available on request.
5. DFT variation can be obtained by change in application method / thinning ratio. Contact Grand Polycoats' representative for further assistance.
6. 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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