

GP BOND 141

ACRYLIC ALIPHATIC POLYURETHANE FINISH PAINT

Description

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

Recommended Use

This product has excellent weathering resistance. This product is recommended as topcoat with suitable primers and undercoats for use in High Chemical & Saline atmosphere for better aesthetics and corrosion resistance. It is recommended for Chemical Plants, Off-shore & On-shore industries, Power Plants, Petrochemicals & Pharmaceutical Complexes, Cement & Steel Plants, Smelters, Transportation Industries, Infrastructure Projects etc and also for premium OEM equipment painting.

Physical Data

COLOUR	: Assorted shades
FINISH	: Glossy / Semi-glossy / Matt
SOLIDS BY VOLUME	: 40 ± 3% (Depends on shade)
THEORETICAL SPREADING RATE	: 13.33 sq.mt./ltr @ recommended DFT of 30 μ
FLASH POINT	: Base : Above 23°C Hardener : Above 23°C
DRYING CHARACTERISTICS (At 300 C & 65% Relative Humidity)	: SURFACE DRY : 20 - 30 minutes 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, primer or intermediate coats, the surface should be free from oil, moisture, dust and dirt. Aged coating should be roughened by emery paper grade 400 / 600 for better bonding.

Application Data

MIXING RATIO	: Base: Hardener - As per our recommendations
APPLICATION	: By Brush / By Conventional Spray / By Airless Spray
THINNER	: 001
POT LIFE	: 4 hours min at 30°C
RECOMMENDED DFT	: 30- 40 μ .
OVERCOATING INTERVAL	: MIN : 8 hours MAX : 24 hours
COMPATIBILITY	: Can be applied over Epoxy and Polyurethane primers, intermediate coats and topcoats.

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. Allow the mixture to stand still (maturation) for about 10-15 minutes to initiate the reaction. Add Thinner Type 001 into the mix, if required, depending on application method, and stir thoroughly for few minutes. 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 cleaned.



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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 evenly in criss-cross manner and ensure the uniform application. Use quality brushes for paint application.

For Conventional Spray Application :

Thinner :001

Addition : 5 - 15%

Nozzle Orifice : 1.2 - 1.4 mm

Nozzle Pressure : 40-70 Psi

For Airless Spray Application :

Thinner : 001

Addition : Max 5%, if required.

Nozzle Orifice : 0.28 mm

Nozzle Pressure : 1400-1800 Psi

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
- 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. Products with different volume solids and for special applications like Flexible coating and anti fungal/anti bacterial versions are available on requests.
4. DFT variation can be obtained by change in application method / thinning ratio. 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.

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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