

# GP COAT 132

## ACRYLIC POLYURETHANE TOPCOAT

### Description

Two component acrylic aromatic polyurethane finish coating

### Recommended Use

This product is a topcoat along with recommended undercoats for use in chemical plants, fertilizer plants, petrochemical and pharmaceutical complex, power plants, cement plants, steel plants, heavy chemicals and off-shore and on-shore industries.

It is recommended for very high chemical resistance and for areas not exposed to direct sunlight. Product is also recommended for application over suitable primer for OEM industry.

### 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 /lt at recommended DFT of 30 $\mu$
FLASH POINT	: Base : Above 23° C                      Hardener : Above 23° C
DRYING CHARACTERISTICS (At 30° C and 65% Relative humidity)	: SURFACE DRY    : 30 minutes max : HARD DRY        : Overnight : FULL CURE      : 7 DAYS.
SHELF LIFE	: BASE : 6 months    HARDENER : 6 months

### Surface Preparation

The surface of primer or intermediate coats, over which this product is applied as topcoat, should be free from oil, moisture, dust and dirt. Aged coatings should be roughened by emery paper grade 400 / 600 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	: 3 hours min at 30° C
RECOMMENDED DFT	: 30-40 $\mu$ .
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 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 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

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, to ensure the uniform application. 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 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 Sheets
- 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 & 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, different qualities 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 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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