



Amar Paints

AP COAT 133

ALIPHATIC POLYURETHANE TOPCOAT

PRODUCT DATA

DESCRIPTION	Two component air drying aliphatic polyurethane finish coating.
RECOMMENDED USE	Recommended as top coat for Original Equipment Machines, Hygienic, Infrastructure projects, Maintenance painting where mild chemical resistance along with good abrasion resistance and decorative finish are required. Sometimes it is recommended as undercoat of finish coats application for economic benefits in Process Industries.

PHYSICAL DATA

COLOUR	Assorted shades
FINISH	Glossy / Semi glossy / Matt
SOLIDS BY VOLUME	40 ±3%
THEORETICAL SPREADING RATE	13.33 sq.mt / lt. at recommended DFT of 30 µ
FLASH POINT	Base: 23°C
DRYING	SURFACE DRY : 20 – 25 minutes
CHARCATERISTICS	HARD DRY : 24 hours
(At 65% Relative Humidity & at 30°C)	FULL CURE : 7 days
SHELF LIFE	BASE : 6 months HARDENER: 6 months

APPLICATION DATA

MIXING RATIO	Base: Hardener - As per our recommendation
MATURATION TIME	5 minutes
POT LIFE	4 hours at 25° C
APPLICATION	By Brush / By Air Spray / By Airless Spray
THINNER	Type P.U.
RECOMMENDED DFT	50 –55 µ
OVERCOATING INTERVAL	MIN: 8 hours MAX: 24 hours (if it exceeds, the surface should be roughened by emery scuffing)
COMPATIBILITY	Can be applied over Epoxy and Polyurethane primers, Intermediate coats and Top Coats. Can be top coated with Synthetic enamel paints.

SURFACE PREPARATION	This being a Top coat which is applied over underneath primer or intermediate coats, the surface should be free from oil, moisture, dust and dirt. Aged epoxy coating should be roughened by emery paper grade 220 for better bonding
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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.
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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. Add Thinner Type PU into the mix, if required, depending on application method, and stir thoroughly for few minutes. Allow the mixture to stand still (maturation) for about 5 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 cleaned.

Application: By Brush / By Air Spray / By Airless Spray

For Brush application, a maximum of 5%, if required, is to be added. Apply uniformly in criss-cross manner and ensure there are no misses. Use quality brushes for paint application.

For Air Spray application:

Thinner : Type P.U.

Addition: 10-15%

Nozzle Orifice: 1.2 -1.4 mm

Nozzle Pressure: 40-70 p.s.i.

For Airless Spray application:

Thinner : Type P.U.

Addition: Max 5%

Nozzle Orifice: 0.28 - 0.33 mm

Nozzle Pressure: 1400-1800 p.s.i.

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.
2. Brushes and spray equipment should be cleaned with AP's recommended thinner otherwise equipment is liable to be damaged.
3. Volume solids will vary depending on shades. Products with different volume solids are also available on requests.
4. DFT variation can be obtained by change in application method / thinning ratio. Contact Amar Paints for further assistance.
5. Shelf life indicated is minimum for this Product and it is subjected to re-inspection thereafter.
Individual component is required to store in cool, dry and covered condition, away from heat and ignition.

DISCLAIMER

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 therein. WE MAKE NO OTHER WARRANTY OR GUARANTEE OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE. Liability, if any, is limited to the replacement of the product or refund of the purchase price. LABOR OR COST OF LABOR AND OTHER CONSEQUENTIAL DAMAGES ARE HEREBY EXCLUDED.

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