

APCOQUIK PU 100 / APCOTHANE 1500



PRODUCT DESCRIPTION

High gloss, two component, acrylic aliphatic polyurethane finish paint

FEATURES & RECOMMENDED USE

- Excellent finish with high gloss
- Excellent flow and levelling characteristics
- Excellent air drying properties
- Tough abrasion resistant coating
- Excellent outdoor durability
- Good resistance to chemicals & polluted environments
- Excellent colour and gloss retention

TECHNICAL DATA

| Colour | Range |
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| Gloss | Glossy (min. 85 unit @ 60° gloss head) |
| Volume Solids | Approx. 40% (depending on shades) |
| Recommended DFT / Coat | 40 - 50 µm |
| Theoretical Coverage Capacity | 10.0 sq.mtr/ ltr @ 40 µm 8.0 sq.mtr/ ltr @ 50 µm |
| Drying Time at 30°C | Surface dry : 30 minutes hard dry : 16 hours Full cure : 7 days |
| Over-coating interval at 30°C | Min. : 6 hours Max. : Unlimited, provided surface is dry and clean from all contamination |

The data given is for guideline only. The physical values are subject to normal manufacturing tolerances, colour and testing variances
 The volume solids indicated are as per ASTM D 2697 air drying method
 The actual drying time/ overcoat interval may be shorter or longer, depending on film thickness, ventilation, humidity, temperature etc.
 The information provided above is at 30°C and 65% relative humidity

DIRECTIONS FOR USE

Surface Preparation

General

- Surfaces must be dry, clean and free from contaminants
- Ensure removal of dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating. Oil and grease should be removed as per SSPC-SP1 solvent cleaning
- Surface should be checked and treated in accordance with ISO 8504 prior to priming

Primed Surfaces

- Suitable epoxy primer, epoxy/polyurethane undercoat; dry & free from all surface contamination. Apcoquik PU 100 / Apcothane 1500 must be applied with the specified over-coating interval of the primer / under-coat
- In case of aged epoxy coating, the surface should be clean & sufficiently roughened prior to painting

Application Condition

- Substrate temperature should be at least 3°C above dew point but not above 50°C
- Relative humidity should be below 85%
- Good ventilation is required in confined areas to ensure proper curing

Mixing

- Apcoquik PU 100 / Apcothane 1500 is supplied in two packs. Stir the base and hardener separately. If settling is observed in the base, loosen the settled material with the help of hand stirrer followed by power driven stirrer for quick homogenous mixing
- Mix hardener gradually into the base under continuous stirring as per the mixing ratio. Once the unit has been mixed, it should be consumed within the working pot life. In case of part mixing (which should be avoided), close the lids of containers tightly to avoid contact with atmospheric moisture
- Thinner should be added after mixing the components and post the induction time. Addition of excessive thinner will lead to reduced sag resistance

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| Mixing Ratio (by volume) | Base : Hardener 4 : 1 |
| Induction Time | 15 minutes |
| Pot Life at 30°C | 4 hours |

Application

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| Air Spray | |
| Recommended thinner | T 389 |
| Volume of thinner | 10 - 15% by volume |
| Spray Viscosity on FCB4 @ 30°C | 23 ± 2 secs |
| Nozzle orifice | 1.8 - 2.0 mm |
| Air Pressure | 45 – 50 psi |
| Cleaning Thinner | T 389 |

Cleaning

- Do not allow the product to remain in hoses, gun or spray equipment. Clean all equipment's immediately after use with T 389. It is recommended to periodically flush out spray equipment during the course of the working day. The frequency of cleaning will depend on amount sprayed, temperature and time gap
- All surplus material and empty containers should be disposed off in accordance with appropriate regional legislation

Product Characteristics

- The gloss, sheen and finish are dependent on the application method. The best gloss and finish is achieved by conventional spray application
- Minimum 2 coat application is recommended to provide adequate hiding and uniformity specially when applied by brush
- Apcoquik PU 100 / Apcothane 1500 must be thinned with the recommended thinner only. Usage of alternate thinners will affect the drying and curing process
- Premature exposure to condensation and rain may cause change in colour and gloss

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| PACK SIZE | 20 L (Base: 16 L & Hardener: 4 L) |
| STORAGE | Shelf Life: At least 12 months at 30°C for original unopened pack, subject to inspection thereafter. Store in a cool, dry place and in accordance with local regulations |
| REGULATORY INFORMATION | Flash point: Base: Not less than 24°C, Hardener: Not less than 24°C VOC: Approx. 550 ± 50 gm/ ltr (depending on shades) as per USA-EPA Method 24 Product Weight: Approx. 1.01 ± 0.05 kg / ltr (depending on shades) |

SAFETY INFORMATION

- As a general safety measure, inhalation of solvent vapours or paint mist and contact of liquid paint with skin & eyes, should be avoided. Forced ventilation should be provided when applying paint in confined spaces or stagnant air. Even when ventilation is provided, respiratory, skin and eye protection are always recommended when spraying paint
- Please refer our Material Safety Data Sheet prior to using the product

***Disclaimer:** To the best of our knowledge the information provided herein are true and accurate at the date of issuance. Since we have no control over the quality or condition of the substrate or the various factors affecting the use and application of the product, we do not accept any responsibility or liability arising out of use of the product. The company reserves the right to modify data contained herein without prior notice. Any change in data would normally be followed by issue of a new data-sheet. The user should check with the nearest sales office of the company and confirm the validity of the information, prior to using the product.*

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