



Acrylic Polyurethane High Glossy Automotive Finish

REDOTHANE ACRY POLYESTER

Description

REDOTHANE ACRY POLYESTER is two component Aliphatic Isocyanate cured Acrylic Polyurethane finish to provide excellent Gloss and Colour retention. REDOTHANE ACRY POLYESTER is suitable to Automotive Refinish System and High Quality Wood Finish equally and gives Wet looks to product always.

Benefits

- Provide high quality gloss and protection from extreme weather
- Provides good abrasion and physical resistance and has non yellowing properties
- Excellent weather, UV, water, chemical & solvent resistance
- Excellent decorative effect, fast drying

Application Area

- Industrial environments
- Wood finishing
- Marine industry
- Automotive industry

Technical Information

PROPERTIES	RESULTS
Color	Various customized & RAL/ Pantone Shades
Finish	High Gloss (90GU+ at 60° angle)
Volume Solids (ASTM D 2697)	50 ± 2%
Recommended DFT	30-50µ in single coat
Wet Film Thickness	60-100µ in single coat
Specific Gravity	1.05±0.05
Surface Dry	60 min

The data given is for guideline only. The physical values are subject to normal manufacturing tolerances, colour and testing variances. 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

Direction For Use

- **SURFACE PREPARATION:**

All surfaces to be coated should be clean, absolutely dry and oil or moisture free before painting application. Oil and grease should be removed by solvent cleaning.

- **ABS Components :**

Can be applied directly after proper solvent cleaning (preferably by Isopropyl Alcohol) or sanding of ABS surface by emery paper 320/ 400 for proper adhesion. Existing system should be dry and free from loose paint, salt, grease and other contaminants prior to overcoating.

- **New steel :**

Abrasive blasting to Sa 2½ (ISO 8501-1:2007). For temporary protection, if required, use a suitable shopprimer. All damage of shopprimer and contamination from storage and fabrication should be thoroughly cleaned prior to final painting.

- **Maintenance :**

Remove oil and grease etc. thoroughly with suitable detergent. Remove salts and other contaminants by high pressure fresh water cleaning. Clean damaged areas thoroughly by power tool cleaning to St 3 (ISO 8501-1:2007) (minor areas) or by abrasive blasting to min. Sa 2, preferably to Sa 2½ (ISO 8501-1:2007). Improved surface preparation will improve the performance of the product.

- **Wood: :**

To be sanded by power grinding or emery paper to a uniform, sharp, smooth profile corresponding to Rz minimum 50 micron. Any dirt, grease, oil, etc. to be removed before application is commenced. An undercoat application of REDOTHANE PO Clear primer is recommended.

- **Application Data :**

Application Method	Spray/ Airless Spray/Brush/ Roller
Mixing Ratio	4 Part (Base) : 1 Part (Hardener)
Pot Life	Three Hours at 30°C
Thinner and Cleaner	PU Thinner
Airless Nozzle	0.35 - 0.45 mm
Orifice Nozzle Pressure	155 kg/cm ² or 2200 psi

- **Working Precautions:**

Material should not be allowed to remain in pipeline, hoses, gun or spray equipment. Thoroughly flush all equipment with universal thinner. Once units of paint have been mixed they should not be resealed and it is advised that after prolonged stoppages, the work should recommences with freshly mixed units.

- **Maintenance:**

Clean all equipment immediately after use with universal thinner. It is good working practice to periodically flush out spray equipment during the course of the working day. All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.

Coverage

- REDOTHANE ACRY POLYESTER will give coverage of 16.50 sq.mt / lit at recommended DFT of 30µ

Supply

- It is supplied in 20 lit set (16 lit base & 4 lit hardener).

Self-Life

- 2 year from the date of manufacturing. This is solvent based coating and the containers should be kept in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed.

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