

ESOTHANE POLYURETHANE PAINTS

TWO COMPONENT ALIPHATIC POLYURETHANE FINISHING PAINT

➤ **Composition**

Aliphatic isocyanate based polyurethane two components coating available in customised shades and gloss levels. It has got better UV resistance than Ecothane Polyurethane Paint.

➤ **Recommended Applications**

This product is recommended as top coat for the protection of steel, concrete and other surfaces. It is recommended for chemical processing industries, food processing industries, pharmaceutical industries etc where by moderate corrosion resistance is required. It is good choice for OEM sector and for machineries painting. This product can go as an under coat for Eurothane Polyurethane Paint for economic benefit where two coats of finish paints are recommended.

➤ **Technical Data**

COLOUR	:	Assorted shades as per requirements
FINISH	:	Full glossy to matt as per requirements
SOLIDS BY VOLUME	:	40 ± 2% depends upon shade and gloss level
THEORETICAL SPREADING RATE	:	10 to 12 sq. Mtr/ ltr@ dft of 30 microns
FLASH POINT	:	Above 22 ⁰ c for base & hardener
DRYING CHARACTERISTICS (at 30 ⁰ c & 65% relative humidity)	:	Surface dry : 30-45 minutes Dry to overcoat : 4-6 hours Hard dry : 18-24 hours Full cure : 7 days
MIXING RATIO (base: hardener)	:	5: 1 by volume
APPLICATION	:	By brush, spray and airless spray
THINNER	:	Rosalee PU Thinner 099
SELF LIFE	:	6 months for both the components in originally sealed containers.
POT LIFE	:	4-6 hours at 30 ⁰ c

➤ **Typical Application Systems And Equipments**

It is recommended to apply Epolac Epoxy Primer Red Oxide/ Epolac Epoxy Primer Zinc Phosphate Grey/ Epolac Epoxy Zinc Chrome Yellow Primer before applying Esothane Polyurethane Paint.

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Conventional spray application setting:

Thinner	:	Rosalee PU Thinner 099
Addition	:	5 -15%
Nozzle orifice	:	1.2 -1.4 mm
Nozzle pressure	:	40-50 psi

Airless spray application setting:

Thinner	:	Rosalee PU Thinner 099
Addition	:	max 5%, if required.
Nozzle orifice	:	0.28 mm
Nozzle pressure	:	1800-2200 psi

➤ **Note**

PU hardener is very sensitive to moisture. Keep the containers tightly closed, each time after use. Normal thinners can ruin the PU finish. Use only Rosalee PU Thinner 099.

➤ **Surface Preparation**

This is being top coat, to be applied over primed surface, selection of primer(s) and method of surface preparation are of prime importance for the success of whole coating system. Apply Esothane Polyurethane Finish Paint on well primed surface which free from dirt and other contaminants. If aged coatings are already there, sand it with 400/600 sand paper before application of finish paint.

➤ **Health And Safety**

Polyurethane paints contains free organic isocyanate compound. Mixing and handling of this product must be carried out with proper safety measures to avoid skin contacts, eye contacts, and inhalation of solvent vapours and mist of the paint spray. The painting must be carried out in a well ventilated spray booths fitted with proper exhaust systems. If painting is to be done on site, care must be taken that along with the spray painter; other people in the nearby area are also protected in the same manner as the painter. If polyurethane paint is swallowed immediately contact a doctor.

➤ **Disclaimer**

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