

EUROTHANE POLYURETHANE SOLVENT RESISTANT PAINTS WEATHR STABLE ALIPHATIC POLYURETHANE FINISHING PAINT

➤ Scope

Polyester modified, non-yellowing, aliphatic isocyanate based polyurethane two component coating available in customised shades and gloss levels. It has got excellent solvent and abrasion resistance.

➤ Areas of Application

This product is recommended as top coat for the long term protection of steel, concrete and other surfaces exposed to highly corrosive, marine and chemical environments. It has got very good weathering resistance along with water and solvent resistance. It is recommended for chemical processing industries, food processing industries, pharmaceutical industries, off-shore and on-shore structures and marine industries, cement plants, storage tanks exteriors, oil & gas and petrochemical refineries and on transports vehicles.

➤ Technical Data

- Colour : Assorted shades as per requirements
- Finish : Full glossy to Matt as per requirements
- Solids by volume : $40 \pm 2\%$ depends upon shade and gloss levels
- Theoretical spreading rate : 12.6 to 14.0 sq. mtr/ ltr@ DFT of 30 microns
- Flash point : Above 22⁰C for Base & Hardener
- Drying characteristics : Surface Dry : 30-45 minutes
(At 30⁰c & 65% relative humidity) Dry to Overcoat: 4-6 hours
Hard Dry : 18-24 hours
Full Cure : 7 Days
- Solvent Resistance : Acetone : Passes more than 1000 rubs
MEK : Passes more than 1000 rubs
MDC : Passes more than 1000 rubs
Ethano 1 : Passes more than 1000 rubs
- Mixing Ratio (Base: Hardener) : 2 : 1 By volume
- Application : By Brush, Spray and Airless Spray
- Thinner : Rosalee PU Thinner
- Self life : 6 Months for both the components in originally sealed containers.
- Pot life : 4-6 hours at 30⁰C

➤ Directions for Use

It is recommended to apply Epolac Epoxy Red oxide Primer/ Epolac Epoxy Zinc Phosphate Grey Primer/ Epolac Epoxy Zinc Chrome Yellow Primer as first coat. Depending upon the service conditions two coats of primer of intermediate coat like Epolac Epoxy MIO coating can be applied as second or third coat. Finally apply Eurothane Polyurethane Solvent Resistant Paint as finish coat. For high solvent and abrasion resistance two coats of Eurothane Polyurethane Solvent Resistant Paints are recommended.

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Conventional Spray Application Setting:

Thinner	:	Rosalee PU Thinner
Addition	:	5 -10%
Nozzle Orifice	:	1.2 -1.4 mm
Nozzle Pressure	:	40-50 Psi

Airless Spray Application Setting:

Thinner	:	Rosalee PU Thinner
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.

➤ **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 Eurothane 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 this paints must be carried out with taking 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. Polyurethane paints if swallowed immediately contact a Doctor.

➤ **Disclaimer**

The information contained within this data sheet is based on information believed to be reliable at the time of its preparation. The company will not be liable for any loss or damage whatsoever occurred including liability for negligence, which may be suffered by the user of the data contained herein. It is the users' responsibility to conduct all necessary tests to confirm the suitability of any product or system for their intended use. No guarantee of results is implied since conditions of use are beyond our control.