

EPOLAC EPOXY POLYURETHANE COATING EPOXY AROMATIC POLYURETHANE PAINT

➤ **Composition**

Epoxy modified, aromatic isocyanate based polyurethane two components coating available in customised shades and gloss levels.

➤ **Recommended Applications**

This product is recommended for the protection of steel, concrete and other surfaces exposed to highly corrosive, marine and chemical environments. However it has got very limited retention properties w.r.t gloss and colour. 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 : Sheen
- Solids by volume : $50 \pm 2\%$ depends upon shade and gloss Levels
- Theoretical spreading rate : Aprox. 10 sq. mtr/ ltr@ DFT of 50 Microns
- Flash point : Above 22⁰C for Base & Hardener
- Drying characteristics : Surface Dry : 60 to 90 minutes
(At 30⁰c & 65% relative humidity) Dry to Overcoat : 6-8 hours
Hard Dry : 18-24 hours
Full Cure : 7 Days
- Mixing Ratio (Base: Hardener): 3: 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 30⁰C

➤ **Typical Application Systems and Equipments**

It is recommended to apply Epolac Epoxy Primer Red oxide/ Epolac Epoxy Zinc Phosphate Primer Grey/ Epolac Epoxy Zinc Chrome Primer Yellow 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. For highly corrosive environments two coats of Epolac Epoxy Polyurethane is recommended.

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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 Epolac Epoxy Polyurethane Coating 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.