

## MARITHANE POLYURETHANE PAINTS ACRYLIC AROMATIC POLYURETHANE FINISHING PAINT

### ➤ **Composition**

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

### ➤ **Recommended Applications**

This product is recommended as top coat 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	:	Full glossy to matt as per requirements
SOLIDS BY VOLUME	:	40 ± 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 22 <sup>0</sup> c for base & hardener
DRYING CHARACTERISTICS (at 30 <sup>0</sup> 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)	:	3: 1 by volume
APPLICATION	:	By Brush, spray and airless spray
THINNER	:	Pu thinner 099
SELF LIFE	:	6 months for both the components in Originally sealed containers.
POT LIFE	:	4-6 hours at 30 <sup>0</sup> c

### ➤ **Typical Application Systems And Equipments**

It is recommended to apply marigold epoxy red oxide/ epoxy zinc phosphate grey/ epoxy zinc chrome yellow primer as first coat. Depending upon the service conditions two coats of primer of intermediate coat like marigold hb mio coatings can be applied as second or third coat. For highly corrosive environments two coats of marithane polyurethane is recommended.

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Conventional spray application setting:

Thinner	:	pu thinner 099
Addition	:	5 -15%
nozzle orifice	:	1.2 -1.4 mm
nozzle pressure	:	40-50 psi

Airless spray application setting:

Thinner	:	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 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 marithane 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**

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