



# REDOTHANE PUI

Polyurethane High Performance Finish

## Description

REDOTHANE PUI is two component Polyurethane based, Aliphatic Hardener cured PU finish for Top coatings. REDOTHANE PUI is recommended for heavy machineries and equipments for excellent weather protection.

## Benefits

- Excellent weathering and corrosion resistance
- Extremely durable
- Excellent UV, water, chemical & solvent resistance
- Resist loss of color and gloss

## Application Area

- Recommended for Agriculture Implements, Heavy Construction and Mining Machineries, Trucks etc
- Highly recommended for Chemical Plants, Electrical and Power Industries, Petrochemical complexes,
- Steel and Infrastructure Projects
- Thresher, Rotavator, Pipeline, Crain etc.

## Technical Information

PROPERTIES	RESULTS
Color	Any IS/ RAL/ Custom Shades
Finish	Glossy (70-85GU)
Volume Solids (ASTM D 2697)	50 ± 2%
Recommended DFT	40-60μ in single coat
Wet Film Thickness	80-120μ in single coat
Specific Gravity	1.10±0.05
Surface Dry	45 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.

- **Primed Surface :**

REDOTHANE PUI should be always be applied over anti corrosive primed surface. For final smooth finish, proper sanding of already coated primer is recommended. Existing system should be dry and free from loose paint, salt, grease and other contaminants prior to overcoating.

- **Maintenance :**

Area of damage or rework etc should be prepared as per specified standards, either by power tool cleaning or other means. A patch primer should be applied before application of REDOTHANE PUI for desired performance of the product.

- **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	0.33 - 0.45 mm
Orifice Nozzle Pressure	155 kg/cm <sup>2</sup> 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 PUI will give coverage of 12.50 sq.mt / lit at recommended DFT of 40 $\mu$

## Supply

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

## Self-Life

- 1 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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