

# REDOPOXY

Epoxy High Performance Glossy Finish

## Description

**REDOPOXY** is two component epoxy based Polyimide cured chemical resistance Top coating. This product exhibits good abrasion resistance and good protection against spills or spillage of range of corrosive chemicals, solvents, Acids and Alkalis, renders durable finish in industrial and marine environment.

## Advantages

- Recommended as tough, hard wearing coating on properly primed surface

## Uses

- Universal epoxy topcoat in general industries for Structures, Concrete, Equipments, Machinaries, Storage Tanks etc.
- Used in Power Plants, Transmission lines, Infrastructure projects, Bridges, Chemical Plants, Food & Pharmaceutical Plants, Mining & Steel Plants, Petrochemicals Plants etc.

## Technical Information

| PROPERTIES                  | RESULTS                               |
|-----------------------------|---------------------------------------|
| Color                       | Customized Shades (as per party need) |
| Gloss                       | Glossy (70-85GU at 60° angle)         |
| Volume Solids (ASTM D 2697) | 52 ± 2%                               |
| Recommended DFT             | 40-60μ in single coat                 |
| Wet Film Thickness          | 80-120μ in single coat                |
| Specific Gravity            | 1.40 ± 0.05                           |
| Surface Dry                 | 60 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:**

The primed surface should be dry and free from all contamination and redoxypoxy should be applied within the overcoating intervals specified in primer TDS. Area of damaged primer or rework etc should be prepared as per specified standards, either by power tool cleaning or other means.

- **Maintenance:**

Remove oil and grease, salts and other contaminants by high pressure fresh water cleaning. Clean damaged areas thoroughly by power tool cleaning to St 3 (ISO 8501-1:2007) (minor areas) or by abrasive blasting to min. Sa 2, preferably to Sa 2½ (ISO 8501-1:2007). A patch primer should be applied before application of REDOPOXY for desired performance of the product.

- **Concrete:**

REDOPOXY is suitable to apply over concrete surfaces. Concrete should be cured for a minimum of 30 days prior to coating. The moisture content of the concrete should be below 5%. All surfaces should be clean, dry and free from curing compounds, release agents, trowelling compounds, surface hardeners, efflorescence, grease, oil, dirt, old coatings. All poured and precast concrete must also be sweep blasted (preferred) or acid etched to remove laitence. Priming should be carried out using REDOPOXY at low viscosity to fill pores surface before final coating.

- **Application Data :**

|                         |   |
|-------------------------|---|
| Application Method      | Conventional Spray/ Airless Spray/Brush/ Roller |
| Mixing Ratio            | 4 Part (Base) : 1 Part (Hardener)               |
| Pot Life                | Two Hours at 30°C                               |
| Thinner and Cleaner     | Epoxy Thinner                                   |
| Airless Nozzle          | 0.38 - 0.53mm                                   |
| Orifice Nozzle Pressure | 176 kg/cm <sup>2</sup> or 2500 psi              |

- **Working Precautions:**

Material should not be allowed to remain in pipeline, hoses, gun or spray equipment. Thoroughly flush all equipment with epoxy 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 epoxy 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

- REDOPOXY will give coverage of 12.5 sq.mt / lit at recommended DFT of 100μ

## Supply

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

## Self-Life

- 2 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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