

## REDOPOXY 5070

### Epoxy High Performance Glossy Finish



#### Description:

REDOPOXY 5070 is a two component EPOXY based Polyamide 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.

#### Uses:

- Used as tough, hard wearing coating on properly primed surface
- Use as universal epoxy topcoat in general industries for Structures, Concrete, Equipments, Machinaries, Storage Tanks etc
- Used in in Power Plants, Transmission lines, Infrastructure projects, Bridges, Chemical Plants, Food & Pharmaceutical Plants, Mining & Steel Plants, Petrochemicals Plants etc.

#### Advantages/Characteristics:

- Good abrasion resistance
- Good protection against spills or spillage of range of corrosive chemicals

#### Company Standard Compliance:



#### Technical Information:

Properties	Specification
Color	Any IS/ RAL/ Custom Shades

Finish	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	1.35±0.05
Surface Dry	55-65 min

- The data given is for guideline only. The physical values are subject to normal manufacturing tolerances, color 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 Indopoxy 5070 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 Indopoxy 5070 for desired performance of the product.

**Concrete :**

- Redopoxy 5070 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 320.

**Application Data :**

- Application Method : Conventional Spray/ Airless Spray/Brush/ Roller
- Mixing Ratio : 4 Part (Base) : 1 Part (Hardener)
- Pot Life : Four Hours at 30°C
- Thinner and Cleaner : Epoxy Thinner
- Airless Nozzle : 0.38 - 0.53mm
- Orifice Nozzle Pressure : 176 kg/cm² 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 5070 will give coverage of 12.50 sq.mt / lit at recommended DFT of 40µ

**Packaging:**

REDOPOXY 5070 is supplied in 20 lit set (16 lit base & 4 lit hardener).




**Storage & Shelf-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.

**Health & Safety:**

This is solvent based product and should be use under well ventilated conditions. Do not inhale spray mist. Skin contact should be avoided. In case of spillage on the skin, it should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water.

	<p>It is the practice of increasing efficiency with which buildings use resources- energy, water and materials-while reducing building impacts on human health and the environment.</p>
	<p>ISO 45001 is the world's international standard for occupational health and safety, issued to protect employees and visitors from work-related accidents and diseases.</p>
	<p>ISO 9001:2015 is a globally recognized standard for quality management systems (QMS). It helps organizations of all sizes and sectors to: Improve performance, Meet customer expectations, Demonstrate commitment to quality, and Identify and improve processes that lack consistency.</p>
	<p>ISO 14001 is the internationally recognized standard for environmental management systems (EMS). It provides a framework for organizations to design and implement an EMS, and continually improve their environmental performance</p>

	<p>This symbol is used to identify Redwop products which give off a low level of volatile organic compounds(VOC) as certified by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.</p>
	<p>Our Commitment To The Environment Redwop products assist Project Designers and Contractors create innovative LEED (The Leadership in Energy and Environmental Design) certified projects, in compliance with the U.S. Green Building Council.</p>
	<p>ISO/IEC 17025 enables laboratories to demonstrate that they operate competently and generate valid results, thereby promoting confidence in their work both nationally and around the world.</p>

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