

EPOPROTECK MIO 3070

Epoxy Mid Coat



Product Description

LP Epoprotek MIO 3070 is an amino polyamide cured high molecular weight epoxy intermediate of mid coat. This product is based on inert anticorrosive pigments (MIO) & fillers ideal to use in mid to highly corrosive environments as an intermediate or base coats. This product has very good intercoat adhesion, toughness, water, chemical & abrasion resistance and long durability.

Typical Use

It is recommended for use on metal substrates like carbon steel, aluminum and tin. This product is useful for the application on pipelines, tanks, and on concrete substrates also.

Technical Data

% Solids By Weight (NVM)	74 +/- 2		
% Solids By Volume	58 +/- 2		
Colour	White, Grey, Red, Black		
Gloss @ 60 G. H.	Matt		
Specific Gravity (Density/WPL) kg/L	1.59 +/- 0.2		
Flash Point	≥26°C		
VOC gm/L	≤420		
Theoretical Coverage m ² /L	Max	Min	STD
	9.8	7.3	8.4
Dry Film Thickness (DFT in microns)	60	80	70
Wet Film Thickness (WFT in microns)	102	135	120
Mixing Ratio	4 Parts Base & 1 Part Hardener		
Thinner Intake	30 – 40% for air spray and 5 – 10% for airless spray (Epoxy Thinner #30)		
Pot Life @ 30°C	4 Hours		
Drying Characteristics @ 30°C & ≤85% Humidity			
Surface Dry	40 -- 60 Minutes		
Tack Free	6 Hours		
Full Cure (Min.)	24 Hours		
Recoating Time (Min.)	8 hours		
Recoating Time (Max.)	5 Days		
Shelf Life & Storage	12 Months <i>Keep the containers in a dry, cool, well ventilated space and away from direct sunlight, sources of heat and ignition. Containers must be always kept tightly closed.</i>		
Pack Size	4L, 18L, 20L		

Application Guidelines

- **Surface Preparation:**

Substrate shall be clean. Traces of dust, rust, wax, oil, grease, loose particles, flakes and other contaminants shall be removed with the use of proper cleaning solvent as mentioned in the SSPC-SP1. Light sanding with abrasive material is recommended, resulting dust should be removed properly. Surface to be recoated should clean thoroughly before application.

- **Paint System:**

Epoprotek Primers – 1 or 2 coats
Epoprotek 3070 -- 1 Coat
Epoxy Topcoat/PU Topcoat/Alkyd Topcoat – 1 or 2 coats

- **Application Tools:**

1. Conventional Air Spray : Recommended. Add up to 30% - 40% thinner
2. Brush or Roller : Care should be taken to achieve recommended DFT.

- Air Pressure: 40 – 50 bar
- Tip Size of spray gun: 1.4 – 1.6mm
- Ensure adequate ventilation while spraying and drying
- Substrate temperature must be 3°C above dew point

Health & Safety Measures

(Recommended to Read this section before application)

- Keep out of reach of children
- Recommended to wear overalls, safety goggles and solvent mask while spraying
- Avoid contact with skin and eyes.

First-Aid

- **Eyes** : Immediately flush eyes with water and seek medical help
- **Skin** : Use soap & water or appropriate cleaner
- **Inhalation** : Allow to breath fresh air, loose the neckline and keep him/her rested
- **Ingestion** : Obtain medical help without asking for omitting

Disclaimer

The data provided in this sheet is given to the best of our knowledge and based on laboratory testing and practical experience. We cannot guarantee anything but the product since the conditions and methods during application vary. We reserve the right to change the given data without prior notice. The product data sheet supersedes those previously issued.

For more information, contact our Liberty Paints Representative or go to www.libertypaintsarabia.com or reach to us on support@libertypaintsarabia.com