

## Product Description

LP Epoprotek 3100 is an amino polyamide cured high molecular weight high build epoxy primer. This product is based on inert anticorrosive pigments & fillers ideal to use in mid to high corrosive environment as a primer or intermediate coat. This product has very good adhesion, high opacity, 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)	82 +/- 2		
% Solids By Volume	70 +/- 2		
Colour	White, Grey, Red, Black		
Gloss @ 60 G. H.	10 -- 35		
Specific Gravity (Density/WPL) kg/L	1.65 +/- 0.2		
Flash Point	≥26°C		
VOC gm/L (A + B)	≤270		
Theoretical Coverage m <sup>2</sup> /L	Max	Min	STD
	8.7	7.0	7.7
Dry Film Thickness (DFT in microns)	80	100	90
Wet Film Thickness (WFT in microns)	115	145	130
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	30 -- 40 Minutes		
Tack Free	4 Hours		
Full Cure (Min.)	24 Hours		
Recoating Time (Min.)	6 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 3100                    – 1 or 2 coats  
Epoprotek MIO 3070         -- 1 coat (can be applied if suggested by the consultant)  
Epoxy Topcoat/PU 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](http://www.libertypaintsarabia.com) or reach to us on [support@libertypaintsarabia.com](mailto:support@libertypaintsarabia.com)