

# Epoxy Primer

## Product Description

**PIONEER PRO EPOXY PRIMER** is a two component polyamide cured epoxy coating designed for use in metal finishes, concrete, wood or previously painted surfaces or as an immediate coat under light-colored topcoats.

## Key Features

- Good flexibility and toughness.
- Long potlife
- Good drying and curing properties

## Product Specifications / Typical Properties / Physical Characteristics

**Table 1. Physical properties\***

### UNCURED STATE\*

Parameters	Results
Appearance	No surface defects
Color	White, Red, Gray
% Solid by Weight	60-80
Density, g/mL	
Part A	1.50 - 1.60
Part B	0.880 - 0.899
Viscosity @ 29°C, KU	
Part A	65 - 70 KU
Part B	12 - 15 secs #4FC
Fineness of Grind (FOG), NS	3-4
Potlife	8 hrs
Drying Time	
To-Touch	1 hr
Tack-Free	2-5 hrs
Hard	24 hrs max

**Table 2. Physical properties\***

### CURED STATE\*

Parameters	Results
Opacity, 150 microns wft	80% min
Gloss	<30
Adhesion, 7 days curing	4B - 5B
Hardness, 7 days curing	H
Impact Test, 25cm X 500 g	No cracking
Flexibility 150 microns WFT, 7 days	No cracking, @ 5mm Ø
Theoretical Coverage @ 50 µ DFT	8.97 m <sup>2</sup> /L

## Application Ideas

For use in metal finishes, concrete, wood or previously painted surfaces or as an immediate coat under light-colored topcoats.

## Application Procedure

### Surface Preparation

**Steel.** Abrasive blast clean to Class 2 1/2 minimum or mechanically clean. Surface must be free from all grease and oils.

**Wood.** Must be dry, clean and free from oils, fats or grease, loose particles and other contaminants in order to ensure a good adhesion of the paint. Repair and fill any gouges using Pioneer Epoxy Adhesives or Polyfil. Sand along the direction of the grain and clean off all traces of dust by mechanical means or by solvent wiping.

**Aged, Uncoated, Concrete.** Must be dry, clean and free from oils, fats or greases. Degreased or scrub with detergents if necessary. The concrete must be free from any incompatible additives or curing agents. Acid etch or abrasive blast clean.

### Method

Stir base then hardener, combine and mix into a homogeneous mixture. Allow the mixture to stand for at least 1 hour prior to use. Can be applied by brush, roller, or spray. For dipping, no need to add thinner. Use paint thinner or lacquer thinner to thin down and attain maximum performance. For best results, apply at least three coats below the waterline and at least two coats above, light sanding with 120 grit between coats.

### Cleaning

Clean all tools or equipment used while coating is still in its uncured state. Use lacquer thinner to clean tools and spills.

### Application Equipment

1. **Airless Spray.** Spray viscosity, no thinning required.
2. Plural component airless spray fitted with line heaters can be used.
3. **Conventional Spray.** De Vilbiss JGA 502 with "D" set up or equipment.

- 4. Roller Application.** Using approved sleeves, provided mixed material is immediately applied and material, surface and air temperatures are under 25°C. Use a natural bristle or short nap roller with phenolic core. Lambs wool applicator may also be used.
- 5. Brush.** For cutting in and touch up areas only.

#### Packaging (Available Sizes)

- 1L X 12 pcs
- 4L X 4 pcs

#### Certification and Compliance

Keep container tightly sealed. Store in an area with adequate ventilation. Avoid storage near extreme heat, ignition sources or open flames.

#### Shelf Life

1 year based on manufacturing date

#### Health and Safety Precautions

Read safety data sheet before use. Safety precautions must be strictly followed during storage, handling and use.

Do not use this product without first taking all appropriate safety measures to prevent property damage and injuries. Use only in well-ventilated areas. Store in cool, dry place in tightly closed receptacles. Vapors are heavier than air and may spread along floors. Vapors may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapors in air and avoid vapor concentrations higher than the occupational exposure limits. Avoid inhalation of vapour, dust and spray mist. Avoid contact with skin and eyes. Eating, drinking and smoking should be prohibited in area where the material is handled, stored and processed.

Avoid storage near extreme heat, ignition sources or open flame. Keep container tightly sealed. Store in an area with adequate ventilation.

**KEEP OUT OF REACH OF CHILDREN.**

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