

## PIONEER EPOXY PRIMER

### PRODUCT DATA/ APPLICATION INSTRUCTION

**PIONEER 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.

### TECHNICAL DATA

TABLE 1. PHYSICAL DATA

<b>Finish</b>	Flat
<b>Color</b>	Gray, White
<b>Components</b>	2 (Comp. A&B)
<b>Curing mechanism</b>	Solvent release and chemical reaction between components

**Shelf Life** 12 months from date of manufacture. Store at temperatures between 50°F and 100 °F (10°C to 38°C). Do not open containers until ready to use the material.

**Solids Content,**  
**mixed volume %** 50±3%

**Pot Life (29°C)** 10-12 hours, less at higher temperatures. Keep out of the sun before blending.

Set-to-touch	-	1-2 hours
Tack-free	-	2-5 hours
Dry-through	-	2-3 days
Cure-through	-	7 days

**Note:** The figures quoted for potlife and drying/curing times are dependent on site conditions such as volume of material mixed, ambient and substrate temperatures, weather and ventilation.

### APPLICATION PARAMETERS

#### **SURFACE PREPARATION:**

1. **STEEL**  
Abrasive blast clean to Class 2 ½ minimum, or mechanically clean. Surface must be free from all grease and oils.

2. **AGED, UNCOATED, CONCRETE**  
Must be dry, clean and free from oils, fats or greases. Degrease or scrub with detergents if necessary. The concrete must be free from any incompatible additives or curing agents. Acid etch or abrasive blast clean.

#### **MIXING:**

Stir base, then hardener, then combine and mix until completely homogeneous. Allow the mixture to stand for at least 1 hour prior to use. For dipping, no need to add thinner.

#### **Equipment**

1. Airless Spray: Spray viscosity, no thinning required.
1. Plural component airless spray fitted with line heaters can be used.
2. Conventional spray: DeVilbiss JGA 502 with "D" set up or equipment;
3. 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. Lambswool applicator may also be used.
4. Brush: For cutting in and touch up areas only.

#### **CLEANING:**

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

#### **HEALTH & SAFETY PRECAUTIONS:**

Read material 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. These measures may include, without limitation: implementation of proper ventilation, use of proper lamps, wearing of proper protective clothing and masks, tenting and proper separation of application areas. Consult your supervisor. Proper ventilation and protective measures must be provided during application and drying to keep solvent vapor concentrations within safe limits and to protect against toxic hazards.



## SPEC DATA SHEET & Application Instruction

REPUBLIC CHEMICAL INDUSTRIES, INC.  
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Necessary safety equipment must be used and ventilation requirements carefully observed, especially in confined or enclosed spaces, such as tank interiors and buildings.

This product is to be used by those knowledgeable about proper application methods. RCI makes no recommendation about types of safety measures that may need to be adopted because these depend on application and space, of which RCI is unaware and over which it has no control.

and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results.

### PACKAGING UNITS

Gallon-can  
Liter can

### WARRANTY

RCI warrants its products to be free from defects in material and workmanship. RCI's sole obligation and Buyer's exclusive remedy in connection with the products shall be limited, at RCI's option, to either replacement of products not conforming to this Warranty or credit to Buyer's account in the invoiced amount of the nonconforming products. Any claim under this Warranty must be made by Buyer to RCI in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the delivery date, whichever is earlier. Buyer's failure to notify RCI of such nonconformance as required herein shall bar Buyer from recovery under this Warranty.

**RCI makes no other warranties concerning the product. No other warranties, whether expressed, implied, or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply. In no event shall RCI be liable for consequential or incidental damages.**

Any recommendation or suggestion relating to use of the products made by RCI, whether in its technical literature, or in response to specific inquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyers having requisite skill and know how in the industry, and therefore it is for Buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that Buyer has done so, at its sole discretion