



## PROTECTIVE COATINGS DATA SHEET 83040 Industrial Phenolic Primer

### General Properties

A fast-drying, non lifting grey primer designed for use under a number of different Industrial and Maintenance topcoats. The product has excellent corrosion resistance, adhesion and hardness properties combined with good chemical and solvent resistance.

### Recommended Uses

As a first coat on ferrous metals for subsequent topcoating with alkyds, water-bornes, epoxies, polyurethanes or other topcoats. May be used as a barrier coat over existing alkyds when upgrading to two component coatings. Contact your Cloverdale Paint Representative for specific systems.

### Product Information

**Generic Type:**

Phenolic Alkyd

**Pigment Type:**

Zinc Phosphate/ Iron Oxide

**Color:**

Grey

**Finish:**

Flat

**Average Volume Solids:**

39.5%

**Average Weight Solids:**

61.3%

**Recommended Mils Per Coat:**

1.5 - 2.0 mils Dry  
3.8 - 5.1 mils Wet

**Theoretical Coverage:**

633 sq. ft./gal. @ 1 mil Dry Film

Thickness

15.6 m<sup>2</sup>/L @ 25 microns Dry Film

Thickness

Actual Coverage will be less due to job conditions, type of substrate, loss in can and efficiency of application equipment.

**Viscosity:**

68 - 73 K.U.

**Temperature Resistance (Dry):**

250°F (93°C) Continuous

300°F (120°C) Intermittent

**V.O.C. Mixed:**

500 g/L

**Clean Up:**

78011 Xylene

**Thinner:**

78011 Xylene

### Methods of Application

**Airless Spray**

H.V.L.P.

**Conventional**

Brush/Roller

Speeflo Atlas 30:1 with tip sizes .013" - .015" or equivalent  
Binks Model Mach 1 94 x 97AP (pressure) or equivalent  
Binks Model 95GUN 63CSS x 63PB (pressure) or equivalent  
Brushing is limited to small areas or touch-up.

### Drying Time

Substrate Temperature	Touch Dry	Hard Dry	Overcoat Interval		
			Minimum	Maximum	Normal
77°F (25°C)	15 minutes	4 hours	30 minutes	Unlimited	1 hour

## Recommended Primer

### Steel

76 Series Speed, 111 Series Marine, 833 Series ClovaCoat,  
834 Series ClovaThane, 74 Series Industrial Enamel

### Aluminum

Prime with 83050 EtchPrime 50

### Galvanized

Prime with 83050 EtchPrime 50

### Concrete

Not recommended

## Surface Preparation

Surface to be coated must be clean, dry and free of oils, grease, mill scale, rust or other surface contaminants. A minimum SSPC SP-3 Power Tool Clean is recommended although a sandblast will offer additional corrosion protection. Old paint must be in sound condition and tightly adhering.

## Typical Resistance (Non-Immersion)

<b>WEATHER</b>	Poor (must be topcoated)	<b>SALT WATER</b>	Good	<b>ACIDS</b>	Fair
<b>MOISTURE</b>	Good	<b>FRESH WATER</b>	Good	<b>ALKALIS</b>	Fair
<b>SOLVENTS</b>	Good	<b>ABRASION</b>	Fair	<b>OIL</b>	Good

## Limitations

Although suitable as a primer under an epoxy topcoat, an epoxy primer such as 83021 ClovaPrime 21, will provide improved performance. Always do a spot test to evaluate re-coat with strong solvent containing coatings prior to continuing. With the fast set qualities of 83040, high film build can be obtained, however this is not recommended. Max DFT 3 mils. When topcoating with epoxies or urethanes, primer will soften, but will harden again during normal drying time.

## Mixing Instructions

Mix well before using. Reduce as required with 78011 Xylene.

## Safety Precautions

This product is for industrial use only. **Refer to Material Safety Data Sheet for proper health and safety information.**

## Storage and Handling

<b>Flash Point</b>	19°F (-7°C) T.C.C
<b>Product Weight</b>	11.15 lbs/U.S. gallon, container extra
<b>Storage</b>	See your Cloverdale Representative
<b>Package Size</b>	1 gallon can, 5 gallon pail, 55 gallon drums

## Warranty Disclaimer

Cloverdale Paint manufactures quality products. In the event that this product is defective or in any way unsuitable for the application for which it is sold, Cloverdale Paint Inc. will replace the product free of charge. The warranty provided by this data sheet is the only warranty or guarantee of quality made in respect of this product by Cloverdale Paint Inc. By purchasing this product the customer accepts this warranty in lieu of all others, and waives all claims to any other remedy arising from any warranty or guarantee of quality, whether such warranty or guarantee of quality was made expressly to the customer or implied by any applicable law.



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