



## TECHNICAL SPECIFICATIONS DATA SHEET

### 83150

### ClovaGuard

### High Build Epoxy Coating

#### General Properties

ClovaGuard is a two component hi-build, high performance, polyamide epoxy coating recommended for severe exposures. It is an abrasion and chemical resistant coating with a low gloss appearance.

#### Recommended Uses

ClovaGuard can be used as a primer or intermediate coat beneath ClovaCoat or ClovaThane where superior performance is required. It can also be used as a final coat where low-gloss is acceptable or where chalking in sunlight is not a concern. For use on storage tanks, oil and gas equipment and machinery, structural steel in pulp and paper mills, sewage treatment plants, marine and other heavy industrial areas.

#### Product Information

**Generic Type:**

Polyamide Epoxy

**Color:**

White and Selected Colors

**Finish:**

Low Gloss

**Average Volume Solids:**

57%

**Average Weight Solids:**

75%

**Recommended Mills Per Coat:**

4 - 6 mils Dry

7 - 10 mils Wet

**Theoretical Coverage:**

913 sq. ft./gal. @ 1 mil Dry Film Thickness

23m<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.

**Mixed Ratio 4:1:**

4 parts 83150 Series "A": 1 part 83150 "B"

**Induction Time:**

15 minutes @ 77°F (25°C)

**Pot Life:**

8 hours at 75°F (24°C), Less at higher temperatures

**Viscosity Mixed:**

110 - 115 K.U.

**Temperature Resistance (Dry):**

200°F (94°C) Continuous

250°F (120°C) Intermittent

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

480 g/L (3.4 lbs./gal.)

**Maximum Thinning To Obtain VOC of 420 gm/L (3.5 lbs./gal.):**

20.9 mL/L (2.87 fl. oz./ gal.)

**Thinner:**

C-70 Slow Evaporating or C-25 Fast Evaporating

**Clean-Up:**

C-25 or C-70

**Accelerator:**

A-65 **CAUTION! REFER TO DATA SHEET**

#### Methods of Application

**Airless Spray**

H.V.L.P.

**Conventional**

Brush/Roller

Speeflo Commander Model 761-301, tip sizes of .021" to .027", min. 2500 psi at tip  
Binks Model Mach 1 950 x 905AP (pressure) or equivalent

Binks Model 95GUN 68SS x 68PB (pressure) or equivalent

Can be brushed or rolled but lap marks will be visible and thinner films may result.

#### Drying Time

Substrate Temperature	Touch Dry	Hard Dry	Overcoat Interval		
			Minimum	Maximum	Normal
77°F (25°C)	30 minutes	24 hours	3 hours	30 days	8 hours

\*Temperature and humidity will affect dry and re-coat times.

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**Recommended Primer**

<b>Steel</b>	Self-prime/ ClovaZincs/ 83020 PrepTech
<b>Aluminum</b>	Self-prime/ 83020 PrepTech
<b>Concrete</b>	Self-prime
<b>Galvanized</b>	83050 EtchPrime 50

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**Surface Preparation**

Surface to be coated must be clean, dry and free from loose mill scale, weld spatter, oil, grease or other contaminants. Minimum surface preparation for steel in non-immersion service is SSPC-SP6. PrepTech epoxy penetrating sealer can be used to enhance adhesion to rusty steel (tight rust) in non-immersion service. If overcoating as existing coating, several test patches should be applied, cured and inspected for adhesion, lifting or wrinkling before proceeding with project.

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**Typical Resistance (Non-Immersion)**

<b>WEATHER</b>	Excellent	<b>SALT WATER</b>	Excellent	<b>ACIDS</b>	Good
<b>MOISTURE</b>	Excellent	<b>FRESH WATER</b>	Excellent	<b>ALKALIS</b>	Excellent
<b>SOLVENT</b>	Excellent	<b>ABRASION</b>	Excellent	<b>OIL</b>	Good

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**Limitations**

Not recommended for potable water service. Will chalk and yellow in sunlight like most epoxies. For best results, apply when substrate temperature is above 50°F (10°C), and at a minimum of 5°F (3°C) above the dew point. Coating should not proceed when the relative humidity is above 85%.

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**Mixing Instructions**

Mix base A component, and curing agent, 83150 B separately with good agitation. Add curing agent to base component and mix thoroughly until homogenous. If accelerator is to be used, add at this point. Allow to react in can for 15 minutes (induction time). Reduce as required (5 to 10 %) only after induction has occurred.

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**Safety Precautions**

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

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**Storage and Handling**

<b>Flash Point</b>	19°F (-7°C) T.C.C.
<b>Product Weight</b>	A=9.94 lbs. B=2.14 lbs./U.S. gallon, container extra
<b>Storage</b>	See your Cloverdale Paint Representative
<b>Package Size</b>	1 gallon kit 3.02 L 83150 A 0.76 L 83150 B 5 gallon kit 15.12 L 83150 A 3.78 L 83150 B

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**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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