



DuraPrime: Epoxy 86850

Description

DuraPrime is a heavy duty, high performance polyamide epoxy primer with a long pot life that provides excellent corrosion resistance over both properly and marginally prepared steel. This rust inhibitive epoxy primer provides excellent weathering and chemical resistance as well as staying flexible even as it ages. DuraPrime has a low gloss and should be used whenever a smooth, automotive finish is desired.

Coating Properties

Coating Category	Polyamide Epoxy
Mix Ratio	4:1
Pot Life @ 50% RH, 25°C (77°F)	8 hours
Induction Time	15 minutes at 25°C (77°F). Colder paint temperatures will require longer induction times.
Gloss	Low Gloss
In-service Temperature Limits	
Continuous:	93°C (200°F)
Intermittent:	120°C (250°F)
Product VOC (g/L)	<465

Coverage Information

Volume Solids	46% May vary by base/color
Theoretical Coverage	737 ft ² /gal (18 m ² /L) @ 1mil (25 microns) DFT. These coverage rates are based on 100% transfer efficiency
Recommended Film Thickness	Wet: 4.0 - 6.0 mils (100 - 150 microns) Dry: 2.0 - 3.0 mils (50 - 75 microns)
Applied Coverage	<i>Actual coverage will vary depending on substrate and application method. Please contact your Cloverdale Industrial Representative for specific project recommendations.</i>

Approvals / Certifications

CFIA: D1, D2, D3

Benefits

Corrosion Resistant
Fast Dry
Impact Resistant
Rust Inhibitive

Markets / End-Uses

Commercial Transport
Farm Machinery
Industrial Machinery
Metal Refuse Containers
Oil Field/Refinery Work
Pulp & Paper
Storage Tank Exteriors
Structural Steel

Bases

86850A Grey Base
86852A Deep Base
86850B Catalyst
86853A Black

Part B Products

86850B





Substrates and Surface Preparation

All surfaces must be clean, dry and free from loose mill scale, weld spatter, oils, grease, wax, dust or any other foreign contaminant affecting adhesion.

Minimum preparation as follows:

Ferrous: SSPC-SP 2/3 Hand/Power Tool Clean. SSPC-SP 6 Commercial Blast preferred.

Non-Ferrous: SSPC-SP 2/3 Hand/Power Tool Clean. SSPC-SP 16 Brush Off Blast preferred.

Galvanized: SSPC-SP 2/3 Hand/Power Tool Clean. SSPC-SP 16 Brush Off Blast preferred.

System Recommendations

Contact your Cloverdale Technical Representative for system recommendations.

Mixing Instructions

4 Parts A to 1 Part B

- Stir Part A and Part B separately.
- Slowly pour Part B into Part A while mixing well.
- After combining, continue mixing for several minutes more.
- Stir mixture again after induction time and add thinner if required.

Methods of Application

Application Parameters

Relative Humidity	Not to exceed 85%
Minimum Temperature	10°C (50°F)
Maximum Temperature	35°C (95°F)
Application Comment	• Product can be sanded when an extremely smooth finish is desired, typically 1-3 hours after application depending on temperature and humidity.

Equipment Settings

Airless Spray	Min. Fluid Capability	2000 psi
	Tip Size	.017" - .021"
Brush/Roll	• Lap marks may be visible. • Use solvent resistant equipment.	

Drying Times

Substrate Temperature	Tack Free	Dry to Handle	Hard Dry
10°C (50°F)	2 hrs	6 hrs	24 hrs
25°C (77°F)	1 hr	3 hrs	24 hrs
35°C (95°F)	30 min	1 hr	12 hrs

Substrates

Ferrous Metals
Non-Ferrous Metals

Thinner

C-70 Slow Evap
C-25 Fast Evap (MEK)

Equipment Cleaning

78011 Xylene
C-25 MEK

Product Weight

Part A 10.27 lbs/gallon kit
Part B 1.54 lbs/gallon kit

Shelf Life

2 years on Part A
2 years on Part B
Applicable only for material stored in unopened, undamaged factory filled containers stored at 4°C-38°C (39°F-100°F). Subject to reinspection.

Flash Point

-7°C (19°F) TCC

Package Size

1 gallon kit
5 gallon kit





Recoat Times

Substrate Temperature	Self Recoat	*Recoat with Urethane	Maximum Recoat
10°C (50°F)	6 hrs	12 hrs	3 months
25°C (77°F)	3 hrs	6 hrs	3 months
35°C (95°F)	1 hr	3 hrs	3 months

* For best depth of image

Limitations

- Not recommended for immersion service.

Performance Criteria

Performance Test	Method	Result
Pencil Hardness	ASTM D3363	H minimum
Salt Spray (Fog)	B117	3000 hrs
Humidity/ Condensation	ASTM D4585	1000 hrs unaffected

Typical Resistance (Non-Immersion)

Weather	Excellent	Salt Water	Good	Acids	Good
Moisture	Excellent	Fresh Water	Good	Alkalis	Good
Solvents	Good	Abrasion	Excellent	Oil	Excellent

Safety Precautions

This product is for Industrial / Shop use only.

WARNING! If you scrape, sand or remove old lead paint from any surface you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Carefully clean up with a wet mop or HEPA vacuum. For additional information, Canadian customers contact the Product Safety division of Health Canada at 1-800-O-CANADA, US customers contact the U.S. EPA/Lead Information Hotline at 1-800-424-LEAD (5323).

WARNING! Use with Adequate Ventilation. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

WARNING! Proper breathing PPE must be worn during application. Refer to Safety Data Sheet for proper health and safety information, located at www.cloverdalepaint.com

Updates

Please visit www.cloverdalepaint.com for the most recent versions of Technical Data Sheets and Safety Data Sheets.

Last Modification date: 10/02/2017

LIMITATION OF LIABILITY





To the best of our knowledge, the technical data contained herein are true and accurate at the time of issuance but are subject to change without prior notice. We guarantee our product to conform to the specifications contained herein. All technical advice, recommendations and services regarding this product are rendered by the Seller gratis. They are based on technical data which the Seller believes to be reliable and are intended for use by persons having skill and know-how, at their discretion and risk. Seller assumes no responsibility for results obtained or damages incurred from this product use by Buyer whether as recommended herein or otherwise. Such recommendations, technical advice or services are not to be taken as a license to operate under or suggest infringement of any patent.

WARRANTY

Cloverdale Paint Inc. warrants its products to be free from defects in material and workmanship. At its option, Cloverdale Paint Inc. will either replace products not conforming to this warranty or credit the Buyer's account the invoiced amount for the non-conforming products. This is Cloverdale Paint Inc.'s sole obligation and Buyer's exclusive remedy in connection with the products. In no event shall Cloverdale Paint Inc. be liable for special, indirect, consequential or incidental damages.

By purchasing this product the Buyer 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 Buyer or implied by any applicable law.

Any claim under this warranty must be made in writing by the Buyer to Cloverdale Paint Inc. within ten (10) days of discovery of the claimed non-conformance, but in no event later than one (1) year from the delivery date. The Buyer's failure to notify Cloverdale Paint Inc. of such non-conformance as required herein shall bar the Buyer from recovery under this warranty.

READ LABEL AND SAFETY DATA SHEET PRIOR TO USE.

