



ClovaCoat 833: Epoxy Topcoat (Interior) High Gloss

Description

ClovaCoat 300 is a high build, high performance two part polyamide epoxy that has excellent abrasion and stain resistance. This extremely tough and durable epoxy has an extended pot life making it easy to spray, brush or roll and is resistant to a broad range of corrosive chemicals and solvents. Outstanding adhesion makes it a great choice for marginally prepared surfaces where a high gloss 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	High Gloss
In-service Temperature Limits	
Continuous:	93°C (200°F)
Intermittent:	121°C (250°F)
Product VOC (g/L)	<340

Coverage Information

Volume Solids	60% May vary by base/color
Theoretical Coverage	962.4 ft ² /gal (23.62) @ 1.0 mil (25 microns) DFT. These coverage rates are based on 100% transfer efficiency
Recommended Film Thickness	Wet: 7.0 - 10.0 mils (175 - 250 microns) Dry: 4.0 - 6.0 mils (100 - 150 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

AWWA D102 - OCS 5/6
MPI #'s 77 / 98
CFIA D1, D2, D3
AIM Category #25

Benefits

Abrasion Resistant
Alkali Resistant
Chemical Resistant
Corrosion Resistant
Direct to Metal Application
Highly Washable
Stain Resistant
VOC Compliant

Markets / End-Uses

Bridges
Concrete Floors
Oil Field/Refinery Work
Plant Maintenance
Power Facilities
Process Equipment
Pulp & Paper
Structural Steel

Bases

83300A Off White
83301A Deep Base
83303A Neutral Base
83304A Black
83305A Yellow
83300B Catalyst

Part B Products

83300B





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.

Concrete: SSPC-SP 13 Preparation of Concrete.

- New concrete must be aged a minimum of 28 days.
- All concrete should be tested for moisture before proceeding.
- Surface hardened concrete should be mechanically abraded to provide adequate profile.

Previously Painted: SSPC-SP 2/3 Hand/Power Tool Clean.

A test patch is recommended to verify coating compatibility and ensure adhesion to the substrate is not affected.

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	<ul style="list-style-type: none"> • Please note that use of accelerator will shorten pot life. • For application temperatures, outside of recommended min/max values, consult your Technical Sales Representative.

Equipment Settings

Airless Spray	Min. Fluid Capability	3000 psi
	Tip Size	.017" - .021"
Brush/Roll	<ul style="list-style-type: none"> • Lap marks may be visible. • Use solvent resistant equipment. 	

Substrates

Concrete / Masonry
Concrete Floors
Ferrous Metals
Fibreglass
Plaster
Steel

Thinner

C-70 (Slow Evaporating)
C-25 (Fast Evaporating)

Equipment Cleaning

Use the recommended thinner

Product Weight

Part A: 9.37 lbs/gallon kit
Part B: 1.58 lbs/gallon kit

Shelf Life

3 years for both parts A and 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





Drying Times

Substrate Temperature	Tack Free	Dry to Handle	Hard Dry
25°C (77°F)	8 hrs	8 hrs	24 hrs
15°C (59°F)	12 hrs	12 hrs	36 hrs
5°C (41°F)	18 hrs	18 hrs	48 hrs

Recoat Times

Substrate Temperature	Minimum Recoat	Maximum Recoat	Normal
25°C (77°F)	8 hrs	7 days	16 hrs
15°C (59°F)	12 hrs	7 days	24 hrs
5°C (41°F)	18 hrs	7 days	36 hrs

Limitations

- This coating is not recommended for immersion service.
- Dark colors will chalk and lose gloss on exposure to sunlight, performance is not affected.

Performance Criteria

Performance Test	Method	Result
Pencil Hardness	ASTM D3363	Minimum H Hardness
Salt Spray (Fog)	ASTM B117	After 1000 hours, no blistering, cracking or delamination of film. No more than 3/16" rust creepage at scribe
Humidity/ Condensation	ASTM D4585 Testing Water Resistance of Coatings using Controlled Condensation (Humidity)	1000 hours - unaffected. No sign of rust
Impact Resistance	ASTM D2794, Resistance of Organic Coating Effects of Impact	Not less than 6 kg - cm direct
Flexibility	ASTM D522	34% elongation minimum
Abrasion Resistance	ASTM D4060 Abrasion Resistance of Organic Coating by Taber Abrader, 1000 gram load, CS-10 Wheel, 1000 Cycles	Not more than 58 mg loss
Adhesion	ASTM D4541, Elcometer Adhesion Test	Not less than 500 psi





Safety Precautions

This product is for Industrial 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: 09/26/2017

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.

