



## Marine Enamel: Gloss 111 Series

### Description

Marine Enamel Gloss Alkyd is a premium quality polyurethane modified gloss enamel that provides superior durability and weathering performance when exposed in a marine or light industrial environment. This product features a high degree of moisture and sunlight resistance along with excellent color and gloss retention properties. It is easy to apply by brush roller or spray and has excellent coverage properties. This product has corrosion resistance properties when applied directly to prepared steel or can be used over a compatible primer. All Cloverdale Paint's Marine and chromate free and are exempt from VOC regulations as a shop-applied setting.

### Coating Properties

Coating Category	Alkyd / Polyurethane
Gloss	High Gloss
In-service Temperature Limits	
Continuous:	94°C (200°F)
Intermittent:	94°C (200°F)
Product VOC (g/L)	<450

### Coverage Information

Volume Solids	43 % May vary by base/color
Theoretical Coverage	689 ft <sup>2</sup> /gal (17 m <sup>2</sup> /L) @ 1.0 mil (25 microns) DFT. These coverage rates are based on 100% transfer efficiency
Recommended Film Thickness	Wet: 3.0 - 5.0 mils (75 - 125 microns) Dry: 1.5 - 2.5 mils (38 - 63 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>

### Benefits

Fade Resistant  
Resists Moisture  
Rust Inhibitive  
Self-Priming  
UV Resistant

### Markets / End-Uses

Farm Machinery  
Marine Vessel Superstructures  
Metal Refuse Containers  
Off Shore Structures  
Piping  
Plant Maintenance  
Process Equipment  
Safety Colors  
Structural Steel

### Bases

11103	White
11101	Deep Base
11104	Clear Base
11107	Black
11108	National Blue
11128	Safety Yellow
11147	Flat Black
11157	Orange
11187	Bright Red Base
11197	Green Base
11154	Safety Blue





## 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.

**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.

**Wood:** Knots, pitch staining and streaks must be spot primed with appropriate stain blocking primer. Sand to a smooth uniform surface and ensure all existing coating is well adhered.

**Previously Stained and Painted Wood:** Dull glossy surfaces by sanding with 80-120 grit sandpaper. Remove sanding dust. If warranted, use a bonding primer for optimum adhesion.

## System Recommendations

Contact your Cloverdale Technical Representative for system recommendations

## Mixing Instructions

Mix well prior to use. Keep container lids tightly sealed when not in use to prevent skinning.

## Methods of Application

### Application Parameters

Relative Humidity	Not to exceed 85%
Minimum Temperature	10°C (50°F)
Maximum Temperature	35°C (95°F)

## Equipment Settings

Airless Spray	Fluid Capability	2500 psi
	Tip Size	.009" - .013"
Air Spray	Pot Pressure	10 - 20 psi
	Atomizing Air	45 - 65 psi
	Nozzle Set	1.0 - 1.4
Air Assisted Airless	Fluid Pressure	700 - 1500 psi
	Atomizing Air	20 - 60 psi
	Tip Size	.009" - .013"
Brush/Roll	Bristle brush / Lint free sleeve	

## Substrates

Ferrous Metals  
Fibreglass  
New Wood  
Pre-Painted Surfaces  
Steel

## Thinner

78001 Mineral Spirits

## Equipment Cleaning

See recommended thinner.

## Product Weight

8.98 lbs/gallon

## Shelf Life

2 years  
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

42°C (107°F) TCC

## Package Size

1 gallon  
5 gallon



**Drying Times**

Substrate Temperature	Tack Free	Dry to Handle	Hard Dry
25°C (77°F)	6 hr	6 hr	16 hr

**Recoat Times**

Substrate Temperature	Minimum Recoat	Maximum Recoat	Normal
25°C (77°F)	24 hr	N/A	N/A

**Limitations**

- Not for immersion service
- Not for applications requiring a high degree of chemical or solvent resistance.
- Not recommended as a DTM to galvanized, galvaneal, or zinc rich surfaces.

**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](http://www.cloverdalepaint.com)**

**Updates**

Please visit [www.cloverdalepaint.com](http://www.cloverdalepaint.com) for the most recent versions of Technical Data Sheets and Safety Data Sheets.

**Last Modification date:** 08/25/2017

**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.**

