



## **ClovaTherm: Heat Resistant Silicone Enamel 83206**

### **Description**

A fast drying, heat resistant enamel that offers a good balance between aesthetics and performance. This product combines excellent weathering resistance, adhesion and overall durability with ease of application in a semi gloss finish. This product is listed under MPI Category #21. For use on interior and exterior surfaces in plants, mills, boiler rooms and on ferrous metals where good, long-term temperature and weather resistance is required.

### **Coating Properties**

<b>Coating Category</b>	Silicone Acrylic
<b>Gloss</b>	High Semi Gloss
<b>In-service Temperature Limits</b>	
<b>Continuous:</b>	216°C(420°F)
<b>Intermittent:</b>	
<b>Product VOC (g/L)</b>	<675 gm/l

### **Coverage Information**

<b>Volume Solids</b>	35% May vary by base/color
<b>Theoretical Coverage</b>	562 ft <sup>2</sup> /gal (13.8 m <sup>2</sup> /L) @ 1 mil (25 microns) DFT. These coverage rates are based on 100% transfer efficiency
<b>Recommended Film Thickness</b>	Wet: 3 - 4.5 mils (75 - 112 microns) Dry: 1 - 1.5 mils (25 - 38 microns)
<b>Applied Coverage</b>	<i>Actual coverage will vary depending on substrate and application method. Please contact your Cloverdale Industrial Representative for specific project</i>

### **Benefits**

Burnish Resistant  
Fast Dry  
High Heat Resistance  
High Hide  
High Level of Adhesion  
Self-Priming

### **Markets / End-Uses**

Barbeques  
Breechings  
Heat Exchangers  
Industrial Machinery  
Kilns and Boilers  
Piping  
Stove Stacks  
Turbine Housings  
Wood Burning Stoves

### **Bases**

83206      White  
83209      Clear





## 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-SP10 Near White Metal Blast preferred

Surface must be coated before flash rusting is allowed to occur. Surface profile should not exceed 1.5 mils when used without a primer.

## System Recommendations

Contact your Cloverdale Technical Representative for system recommendations.

## Mixing Instructions

Mix well before using.

## 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"> <li>• 83002 ClovaZinc 2 is recommended as a primer in corrosive environments.</li> <li>• Reduce first coat 30% when applying to ClovaZinc 2</li> </ul>

## Equipment Settings

Airless Spray	Min. Fluid Capability	2000 psi
	Tip Size	.011" - .013"
Air Spray	Pot Pressure	15 – 20 psi
	Atomizing Air	30 – 50 psi
	Nozzle Set	0.7 - 1.4
Air Assisted Airless	Min Fluid Capability	2000 psi
	Atomizing Air	30 - 50 psi
	Tip Size	.011" - .013"
Brush/Roll	<ul style="list-style-type: none"> <li>• Lap marks may be visible.</li> <li>• Use solvent resistant equipment.</li> </ul>	

## Limitations

Not for extended temperature service above 216°C(420°F) . Light colors will yellow above 205°C(400°F) . A primer may be required to fill the blast profile as this is a thin film coating.

## Substrates

Ferrous Metals

## Thinner

78011 Xylene

## Equipment Cleaning

Use the recommended thinner

## Product Weight

9.15 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

40°C (104°F) T.C.C.

## Package Size

1 gallon



**Drying Times**

Substrate Temperature	Tack Free	Dry to Handle	Hard Dry
25°C (77°F)	N/A	30 mins	6 hrs

**Recoat Times**

Substrate Temperature	Minimum Recoat	Maximum Recoat	Normal
25°C (77°F)	2 hrs	indefinite	3 hrs

**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.**

