



Maintenance Enamel: Aim Compliant Self Priming Semi-Gloss 749 Series

Description

A premium quality, urethane modified, VOC compliant alkyd semigloss enamel for use as a protective maintenance rust inhibitive direct-to-metal (DTM) finish coat for use on metal and structural components. Quick dry and all season application combined with good weather resistance make this an ideal coating for both field or shop use. This product meets Environment Canada's VOC requirements under Category #25 and is approved by Master Painters Institute under Category #81.

Coating Properties

Coating Category	Urethane Modified Alkyd
Gloss	Semi-gloss
In-service Temperature Limits	
Continuous:	93°C (200°F)
Intermittent:	121°C (250°F)
Product VOC (g/L)	<340

Coverage Information

Volume Solids	50 % May vary by base/color
Theoretical Coverage	852 ft ² /gal (20.9 m ² /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>

Approvals / Certifications

MPI#81
Environment Canada Category #25

Benefits

Block Resistant
Burnish Resistant
Excellent Weathering
Fade Resistant
High Traffic Conduive
Highly Washable
Scrub Resistant
Self-Priming
Stain Resistant

Markets / End-Uses

Bridges
Concrete Floors
Farm Machinery
Hospitals
Industrial Maintenance
Marine
Metal Refuse Containers
Oil Field/Refinery Work
Piping
Plant Maintenance
Storage Tank Exteriors
Structural Steel

Bases

74923	White
74921	Deep Base
74924	Clear Base





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.

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.

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 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.

Methods of Application

Application Parameters

Relative Humidity	Not to exceed 85%
Minimum Temperature	2°C (35°F)
Maximum Temperature	43°C (110° F)
Application Comment	• Re-coat should be applied before 3 hours or after 8 hours.

Equipment Settings

Airless Spray	Min. Fluid Capability	2500 psi
	Tip Size	.013" - .017"
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	.013" - .017"
Brush/Roll	<ul style="list-style-type: none"> • Use lint free roller sleeves. • Use solvent resistant equipment. 	

Substrates

Aluminum
Composite Wood
Ferrous Metals
Fibreglass
Interior Concrete Floors
New Wood
Particle Board
Pre-Painted Surfaces
Steel
Wood

Thinner

78001 Mineral Spirits for brush/roll application
78011 Xylene for spray application

Product Weight

10.17 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

Package Size

1 gallon
5 gallon
Drum stock special order



**Drying Times**

Substrate Temperature	Tack Free	Dry to Handle	Hard Dry
25°C (77°F)	1 hr	1 hr	8 hrs

Recoat Times

Substrate Temperature	Minimum Recoat	Maximum Recoat	Normal
25°C (77°F)	before 3 hrs or after 8 hrs	indefinite	12 hrs

Limitations

- Not for strong chemical exposure.
- Not for immersion service.

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: 09/07/2017

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.

