



Komarine

A/C123

Product Description A specially designed synthetic resin based rust-preventing primer with excellent adhesion and water resistance property. It is specially designed for repair work on the ships. Not compatible with impressed current cathodic protection.
Approved as a Welding primer by Lloyd's Register of Shipping (LR).

Recommended Use As a rust-preventing primer for steel substrate, particularly, immersion service such as steel ship's bottom.

Physical Properties

Finish and Color Semi-gloss. Reddish Aluminum (9182)

Drying Time	Substrate temperature	5 °C/41 °F	20 °C/68 °F	30 °C/86 °F
	Set to touch	4 h	2 h	1 h
Dry through	6 h	4 h	3 h	

* The actual drying time is subject to the film thickness, ventilation, humidity etc., and drying time under other temperature conditions should be checked and informed by KCC.

Solids by Volume Approx. 52 % (Determined by ISO 3233)

Theoretical Spreading Rate 8.6 m²/L in 60 μm dry film thickness on a smooth surface.

Specific Gravity Approx. 1.40

Flash Point 36 °C/97 °F (Closed cup)

Application Details

Surface Preparation Remove any oil, grease, dirt and any other contaminants from the surface before painting by proper method such as solvent cleaning and fresh water washing, etc.

* Steel : Blast cleaning to Sa2.5 or Power tool cleaning to St3, etc.

* Maintenance : Blast cleaning to Sa2 or Power tool cleaning to St3.

Application Conditions The surface should be completely cleaned and dried. Do not apply when relative humidity is above 85 %. The surface temperature should be at least 2.7 °C (5 °F) above dew point to prevent condensation. In confined areas, ventilate with clean air during application to assist solvent evaporation.

Thinning Thinner No. 002 or 012

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Application Spray (Airless or Air), Roller or Brush application.
Method For airless spray application ;
Nozzle orifice : 483 μm ~ 533 μm (0.019" ~ 0.021")
Output pressure : 15.2 MPa
Fan : 60 °
(Airless spray data are indicative and subject to adjustment)

Typical Film Thickness 60 μm dry.

Recoating Interval At 20 °C/ 68 °F, Minimum : 6 h
Maximum : Free

Prior to overcoating, remove the oil, salts, chalking materials and any other contaminants on aged coating film completely by proper cleaning method such as solvent cleaning and/or fresh water washing.

Subsequent Coat Koramel Enamel LT313 or according to specification.

Shelf Life 12 months

Heat Resistance Continuous : 93 °C/200 °F (Non-immersion service)
Non-continuous : 121 °C/250 °F (Non-immersion service)

Chemical Resistance

	Acids	Alkalis	Solvents	Salts	Water
Splash & Spillage	NR	NR	NR	Good	Excellent
Fumes	Poor	Poor	Poor	Good	Excellent
Immersion	NR	NR	NR	NR	NR

* NR : Not Recommended

Remarks Protect skin and eyes from direct contact with liquid paint, and avoid prolonged breathing of solvent vapors.
Use with adequate ventilation.
Respiratory protection is recommended during application in confined spaces or stagnant air.
Keep away from sparks and open flames.

Issued July 2011