



Koramel Enamel LT313

Product Description An alkyd resin based finish coat for ships and steel structures. It has outstanding resistance against exposure to sunlight, seawater, mineral oil and withstands temperatures as normally existing on water cooled blocks, etc.
Approved as a Fire Retardant Coating by Lloyd's Register of Shipping (LR), Nippon Kaiji Kyokai (NK), Korean Register of Shipping (KR), Det Norske Veritas (DNV, CE Marking) and Germanischer Lloyd (GL).

Recommended Use As a finishing coat in engine rooms, including main engines and auxiliary machinery. As a general purpose finish on interior surfaces.
Also usable on exterior steel surfaces in moderately corrosive environment, including ship's superstructure.

Physical Properties

Finish and Color Semi-gloss. White(1000), Red Brown (2260), Green (4440)

* For more available color, consult with KCC's business department.

Drying Time

Substrate temperature	5 °C/41 °F	20 °C/68 °F	30 °C/86 °F
Set to touch	8 h	1.5 h	1 h
Dry through	36 h	5 h	4 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. 48 % (Determined by ISO 3233)

Theoretical Spreading Rate 12.0 m²/L in 40 μm dry film thickness on a smooth surface.

Specific Gravity Approx. 1.2

Flash Point 38 °C/100 °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.

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.

Application Limitation Low flame spread surface material, not generating excessive quantities of smoke nor toxic products in fire. Approved for use throughout the accommodation. Approved for use on non-combustible substrate according to IMO MSC/Circ. 1004. Maximum gross calorific value shall be documented separately where applicable, ref. SOLAS Chapter II-2 Reg. 5.3.2. Each product is to be supplied with its manual for installation and use.

Disclaimer : The information in this data sheet is believed to the best of our knowledge based on laboratory test and practical experience. However, there are many factors affecting the performance of product and the product quality itself, so we are not able to guarantee without the confirmation of the purpose of using the product from us in writing. We reserve the right to change the data without notice and you should check that this data sheet is current prior to using the product.

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Preceding Coat Koramel Primer H.B. MP120, Koramel Primer MP125, Koramel Red-Lead Q.D. LP117, or according to specification.

Thinning For brush application : Thinner No. 012,
For spray application : Thinner No. 002

Application Method Spray (Airless or Air), Roller or Brush application.
For airless spray application ;
Nozzle orifice : 432 μm ~ 584 μm (0.017" ~ 0.023")
Output pressure : 14.5 MPa
Fan : 40 ° ~ 60 °
(Airless spray data are indicative and subject to adjustment)

Typical Film Thickness 40 μm dry.

Recoating Interval At 20 °C/68 °F, Minimum : 8h
Maximum : Free (For with itself and epoxy primer)

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

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.

Standard Packing Unit 18 L, 4 L

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.

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