



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
Specific gravity	Approx. 1.2
Solids by volume	Approx. 48 % (Determined by ISO 3233)
Spreading rate (Theoretical)	12.0 m ² /L in 40 μm dry film thickness on a smooth surface.
Flash point	38 °C/100 °F (Closed cup)
VOC	Max. 445g/L (Determined by ISO 11890-1)

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.			
Preceding coat	Koramel Primer H.B. MP120, or according to specification			
Method of application	Spray (Airless or Air), Roller or Brush application. For airless spray application ; Nozzle orifice : 432 μm ~ 584 μm (0.017" ~ 0.023") Output pressure : 11.7 ~ 14.5 MPa Fan : 40 ° ~ 60 ° (Airless spray data are indicative and subject to adjustment)			
Mixing	One-component			
Thinning	Thinner No. 002 Thinning Ratio : Max. 5% (by volume) * Please consult the KCC TSD for advice in severe conditions.			
Application conditions	The surface should be adequately clean and dry. Do not apply when relative humidity is above 85 %. The surface temperature should be at least 3 °C (5 °F) above dew point to prevent condensation. In confined areas, ventilate with clean air during application to assist solvent evaporation.			
Film thickness	40 μm dry			
Drying time	Substrate temperature	5°C/41°F	20°C/68°F	30°C/86°F
	Set to touch	8 h	2 h	1 h
	Dry through	36 h	8 h	7 h

	* These are the results from laboratory tests done under standardized conditions. Thus, actual times may be different due to environment situations such as weather, wind and humidity, etc
Subsequent Coat	According to specification
Pot life	One-component
Recoating interval	At 20 °C/68 °F, Minimum : 6h 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.
Heat resistance temperature	Continuous : 93 °C/200 °F (Non-immersion service) Non-continuous : 121 °C/250 °F (Non-immersion service)

Storage and package

Shelf life	LT313 : 36 months (at 23°C/73.4°F)
Packing Unit	18 L, 4 L

Remarks

Note	Do not store at temperature below 5°C/41°F or above 40°C/104°F. Protect skin and eyes from direct contact with liquid paint, and avoid prolonged breathing of solvent vapors. Under the following drying conditions can cause coating defect such as poor adhesion and poor through-hardening. ① Drying in enclosed condition. ② Thinning with unspecified thinner. ③ In case of insufficient dry time after application with higher D.F.T than recommended. Respiratory protection is recommended during application in confined spaces or stagnant air. Keep away from sparks and open flames. May be specified in another film thickness than indicated depending on purpose, but this will influence drying time and over-coating interval. Applying within the recommended film thickness range to avoid the lifting, wrinkling when Over-coating.
1'st issue	2011-07-01
Revision	2021-06-24

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.

