



A two-component, high build, epoxy resin based finish. It has very good resistance to seawater splash, mineral oils, petroleum, vegetable oils, animal oils, and mechanical wear. Not recommended against acids and oxidizing solutions. Approved as a Fire Retardant Marine Paint by Lloyd's Register of Shipping (LR), Det Norske Veritas & Germanischer Lloyd (DNV-GL, CE Marking) and Korean Register of Shipping (KR).

Recommended use	As a finish on interior and exterior of steel structure in corrosive marine and industrial environments. Protective coating for exposed parts against mechanical wear and seawater/fresh water splash
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Physical Properties

Finish and Color	Semi gloss. White (1000), Green (4440), Grey (1128), Black (1999) * For more available color, consult with KCC's business department
Specific gravity	Approx. 1.20 for Mixture of Base and Curing agent
Solids by volume	Approx. 60 % (Determined by ISO 3233)
Spreading rate (Theoretical)	6.0 m ² /L in 100 μm dry film thickness on a smooth surface.
Flash point	Base (ET5740 PTA) : 20 °C/68 °F (Closed cup) Curing Agent (ET5740 PTB) : 27 °C/81 °F (Closed cup)
VOC	Max.426g/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	Korepox Holding Primer EP170QD, Korepox Holding Primer EP1700, Korepox EH2350, Korepox EH2351, Korepox H.B, EH6270, or according to specification.			
Method of application	Spray (Airless or Air), Roller or Brush application For airless spray application ; Nozzle orifice : 483 μm ~ 787 μm (0.019" ~ 0.031") Output pressure : 11.7 MPa ~ 15.2 MPa Fan : 40° ~ 60° (Airless spray data are indicative and subject to adjustment)			
Mixing	Base (PTA) : Curing Agent (PTB) = 2 : 1 (by volume) Mix thoroughly together prior to application in the proportions with power agitator as delivered.			
Thinning	Thinner No.024 or Other thinner approved by KCC Thinning Ratio : Max. 10% (by volume) * Do not dilute each component separately * 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	100 μm dry. Depending on the purpose and the area of use, different film thickness may be applied.			
Drying time	Substrate temperature	5 °C/41 °F	20 °C/68 °F	30 °C/86 °F
	Set to touch	10 h	3 h	2 h

	Dry through	48 h	24 h	20 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	8 h at 20 °C /68°F			
Recoating interval	At 20 °C /68 °F, Minimum : 8 h Maximum : Free 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	ET5740PTA (Part A, Base) : 12 months (at 23°C) ET5740PTB (Part B, Curing agent): 12 months (at 23°C)			
Packing Unit	15 L (ET5740PTA : 10 L, ET5740PTB : 5 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. Use with adequate ventilation. Adequate ventilation with clean air should be maintained during application and curing to assist solvent evaporation. Respiratory protection is recommended when applying this product in confined spaces or stagnant air.			
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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.

