



A two-component, high-build, polyamide cured epoxy resin based self-priming/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.

Recommended use	As a finish on steel structures in normal environments such as engine rooms and auxiliary machinery of ships. Generally applicable as a primer for steel surfaces or non-ferrous metal surfaces like galvanized steel.
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Physical Properties

Finish and Color	Semi gloss. White (1000)					
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 (EH4600-A) : 23 °C / 74 °F (Closed cup) Curing Agent (EH4600-B) : 27 °C / 81 °F (Closed cup)					
Chemical Resistance		Acids	Alkalis	Solvents	Salts	Water
	Splash & Spillage	Good	Good	Very good	Excellent	Excellent
	Fumes	Good	Excellent	Excellent	Excellent	Excellent

Application details

Surface preparation	Remove any oil, grease, dirt and any contaminant from the surface before painting by proper method such as solvent cleaning and fresh water washing, etc * Blast cleaning to Sa2.5 or Power tool cleaning to St2, St3, etc
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) Clean the Airless pump using the 024 thinner.
Mixing	Base (Part A) : Curing Agent (Part B) = 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 Do not dilute each components separately, only the mixture
Application	The surface should be completely cleaned and dry. Do not apply when relative humidity is above 85 %. The

conditions	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.			
Film thickness	100 µm dry. May be specified in another film thickness than indicated depending on purpose and area of use.			
Drying time	Substrate temperatur	5°C/41°F	20°C/68°F	30°C/86°F
	Set to touch	10 h	3h	2h
	Dry through	48h	18h	12h
	* 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			
Pot life	8 h at 20 °C/68 °F			
Recoating interval	At 20 °C/68 °F, Minimum : 8 h Maximum : Free Prior to 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	PTA : 12 months PTB : 24 months
Packing Unit	15 L (EH4600-A : 10 L, EH4600-B : 5 L)

Remarks

Note	Do not store at temperature below 5 °C/41 °F or above 40 °C/104 °F. A skid-proof surface can be obtained by sprinkling or mixing of non-skid powder 996 during application. The dosage and grade of Non-skid Powder shall be decided according to the non-skid efficiency required. Protect skin and eyes, and avoid prolonged breathing of solvent vapors. Use with adequate ventilation. 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.

