



Korepox H.B. EH4600 (Two-Component)

Product Description	A two-component, high-build, polyamide cured epoxy resin based finish. It has 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.

Physical Properties

Finish and Color	Semi gloss. White (1000)			
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	18 h	12 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. 60 % (Determined by ISO 3233)			
Theoretical Spreading Rate	6.0 m ² /L in 100 μm dry film thickness on a smooth surface.			
Specific Gravity	Approx. 1.20 for Mixture of Base and Curing agent.			
Flash Point	Base (EH4600 PTA)	: 23 °C/74 °F (Closed cup)		
	Curing Agent (EH4600 PTB)	: 27 °C/81 °F (Closed cup)		

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
Application Conditions	The surface should be completely cleaned and dry. 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.
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.
Pot Life	8 h at 20 °C/68 °F
Preceding Coat	Galvany Shopprimer IZ182(J), Korepox Primer EP1760 or according to specification.
Thinning	Thinner No. 024 or Other thinner approved by KCC Do not dilute each components separately.

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.

Korepox H.B. EH4600 (Two-Component)

Application Method 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 : 60°

(Airless spray data are indicative and subject to adjustment)

Typical 100 μm dry.

Film Thickness Depending on the purpose and the area of use, different film thickness may be applied.

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.

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	Good	Good	Very good	Excellent	Excellent
Fumes	Good	Excellent	Excellent	Excellent	Excellent

Standard Packing Unit 16 L (EH4600 PTA : 10.7 L, EH4600 PTB : 5.3 L)

Remarks Do not store at temperature below 5 °C/41 °F or above 40 °C/104 °F.
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.

Issued December 2011, Rev.01

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.

 KCC Corporation