



Korepox Topcoat H.B. ET5745(Two-Component)

Product Description	A two-component, high build, epoxy resin based finish coat with excellent weather resistance and color retention. 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 Det Norske Veritas (DNV, CE Marking).
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 and exposed parts required good color retention and weather resistance such as topside, upper deck and deckhouse outside of ship.

Physical Properties

Finish and Color	Semi gloss. White (1000), Green (4440), Grey (1128), Yellow (3332), Red (2260) * 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	10 h	2 h	2 h
	Dry through	48 h	24 h	20 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. 1.30 for Mixture of Base and Curing agent.			
Flash Point	Base (ET5745 PTA) : 23 °C/74 °F (Closed cup) Curing Agent (ET5745 PTB): 27 °C/81 °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.
Mixing	Base (PTA) : Curing Agent (PTB) = 1 : 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	Korepox Holding Primer EP170QD, Korepox Holding Primer EP1700, Korepox EH2350, Korepox EH2351, Korepox H.B, EH6270, Korepox H.S. EH4158H, 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.



KCC Corporation

Korepox Topcoat H.B. ET5745 (Two-Component)

Application Method Spray (Airless or Air), Roller or Brush application.

For airless spray application ;

Nozzle orifice : 482.6 μm ~ 787.4 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 Film Thickness 100 μm dry.

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	Fair	Good	Good	Good	Good
Fumes	Good	Good	Good	Excellent	Excellent

Standard Packing Unit 16 L (ET5745-A : 8 L, ET5745-B : 8 L)

Remarks 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 from direct contact with liquid paint, 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 July 2011