



Korepox H.B. EH2580 (Two-Component)

Product Description	A two-component, polyamide cured epoxy resin based high-build coating. It provides a hard and tough film with very good resistance to abrasion, and a wide range of acids, alkalis and chemicals followed by suitable topcoat.
Recommended Use	As a primer or intermediate coating long life protection of steel structures in severely corrosive environment and subject to mechanical wear such as offshore plant, piping, highway bridge, exposed area of chemical area and structural steel. As a tie coat between anti-corrosion paint and subsequent coats for use on ship.

Physical Properties

Finish and Color	Flat. Grey (1128), Ivory (3332)
Drying Time	At 20 °C /68°F, Set to touch : 2 h Dry hard : 10 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. 1.40 for Mixture of Base and Curing agent.
Flash Point	Base (EH2580-A) : 25 °C /77 °F (Closed cup) Curing Agent (EH2580-B) : 25 °C /77 °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. * Steel : Blast cleaning to Sa2.5 or Power tool cleaning to St3, 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 (Part A) : Curing Agent (Part B) = 4 : 1 (by volume) Mix thoroughly together prior to application in the proportions with power agitator as delivered.
Pot Life	6 h at 20 °C /68 °F
Preceding Coat	Galvany IZ180N, Galvany Shopprimer IZ182, or according to specification.

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.



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Thinning	Thinner No. 024 or Other thinner approved by KCC Do not dilute each components separately.																								
Application Method	Spray (Airless or Air), Roller or Brush application For airless spray application ; Nozzle orifice : 432 μm ~ 635 μm (0.017" ~ 0.025") Output pressure : 18.0 MPa ~ 36.5 MPa Fan : 60 ° (Airless spray data are indicative and subject to adjustment)																								
Typical Film Thickness	75 ~ 150 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 : 10 h Maximum : Free (with epoxy coating system), Depend on painting specification (with other coating systems) 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.																								
Subsequent Coat	Korethan Topcoat UT6581, Korethan Topcoat UT6585, Korepox Topcoat H.B. ET5740, Korepox Topcoat H.B. ET5745, or according to specification.																								
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	<table><tr><td></td><td>Acids</td><td>Alkalis</td><td>Solvents</td><td>Salts</td><td>Water</td></tr><tr><td>Splash & spillage</td><td>Fair</td><td>Excellent</td><td>Good</td><td>Excellent</td><td>Excellent</td></tr><tr><td>Fumes</td><td>Good</td><td>Excellent</td><td>Good</td><td>Excellent</td><td>Excellent</td></tr><tr><td>Immersion</td><td>NR</td><td>NR</td><td>NR</td><td>NR</td><td>NR</td></tr></table> * NR : Not Recommended		Acids	Alkalis	Solvents	Salts	Water	Splash & spillage	Fair	Excellent	Good	Excellent	Excellent	Fumes	Good	Excellent	Good	Excellent	Excellent	Immersion	NR	NR	NR	NR	NR
	Acids	Alkalis	Solvents	Salts	Water																				
Splash & spillage	Fair	Excellent	Good	Excellent	Excellent																				
Fumes	Good	Excellent	Good	Excellent	Excellent																				
Immersion	NR	NR	NR	NR	NR																				
Standard Packing Unit	16 L (EH2580-A : 12.8 L, EH2580-B : 3.2 L)																								
Remarks	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. Respiratory protection is recommended when applying this product in confined spaces or stagnant air.																								
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