



Korepox H.B. EH270 (Two-Component)

Product Description A two-component, polyamide cured epoxy resin based high build coating. It forms a hard and tough film with very good resistance to abrasion and impact and fresh and seawater, splash from petrol, jet fuel, diesel oil, lubricating oil and related products. Limited resistance to vegetable oils and strong solvents such as ketones, esters, etc.
Not recommended for mineral acids or strong oxidizing solution.

Recommended Use As an intermediate or finishing coat for steel surface in severely corrosive environment and/or subject to mechanical wear.

Physical Properties

Finish and Color Flat. White (1000), Grey (1128), Brown (2282)

Drying Time	Substrate Temperature	5 °C / 41 °F	20 °C / 68 °F	30 °C / 86 °F
	Set to touch	8 h	4 h	2 h
	Dry through	48 h	18 h	12 h

* The actual drying times is subject to the film thickness, ventilation, humidity etc., and drying time under other temperature conditions must be checked and informed from us.

Solids by Volume Approx. 55 % (Determined by ISO 3233)

Theoretical Spreading Rate 5.50 m²/L in 100 μm, 13.75 m²/L in 40 μm dry film thickness on a smooth surface.

Specific Gravity Approx. 1.3 ~ 1.4 for Mixture of Base and Curing agent.

Flash Point Base (EH270 PTA) : 26 °C / 79 °F (Closed Cup)
Curing Agent (EH270 PTB) : 29 °C / 84 °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.

* Steel : Blast cleaning to Sa2.5 or Power tool cleaning to St3, etc.

* Concrete, asbestos cement, etc. : Wash down with a 3% solution of hydrochloric or phosphoric acid in fresh water and must be dried.

Application Conditions The surface must be completely cleaned and dried. Application and curing to take place at temperatures above 5 °C (41 °F). Do not apply when relative humidity is above 85 %. The surface temperature must be at least 2.7 °C (5 °F) above dew point to prevent condensation.
In confined spaces, provide adequate ventilation during application and drying.

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 8 hours at 20 °C / 68 °F

Preceding Coat Korepox Zinc Rich Primer EZ175 or according to specification.

Thinning Thinner No. 024 or Other thinner approved by KCC
Do not dilute the 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.



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

Method For airless spray application ;
Nozzle orifice : 431 μm ~ 584 μm (0.017" ~ 0.023")
Output pressure : 14.5 MPa
Fan : 30° ~ 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 : 16 h
Maximum : 30 d

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 Korepox Topcoat ET574, 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

	Acids	Alkalis	Solvents	Salts	Water
Splash & Spillage	Fair	Excellent	Good	Excellent	Excellent
Fumes	Very Good	Excellent	Very Good	Excellent	Excellent

Standard Packing 16 L (EH270 PTA : 12.8 L, EH270 PTB : 3.2 L)

Unit

Remarks 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 during application in confined spaces or stagnant air.
Keep away from sparks and open flames.

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