



Korepotar H.B. EH173S (Two-Component)

Product Description A two-component, modified coal tar epoxy resin based paint providing good hard-wearing and rust preventing properties.
Approved as a Corrosion Control Coating for ballast water tanks by Germanischer Lloyd(GL)
Approved as a Fire Retardant Marine Paint by Det Norske Veritas (DNV, CE Marking), Korean Register of Shipping (KR) and Lloyd's Register of Shipping (LR).
Approved as a Anti Acid Coating by Korean Register of Shipping (KR).

Recommended Use For long-life protection of steel and other structural materials in severely corrosive environment e.g. on permanently submerged surfaces.
This product is not recommended as the exterior because tar may occur into subsequent coat.

Physical Properties

Finish and Color Semi-gloss. Black (1999), Dark Brown (2243)

Drying Time	Substrate temperature	5 °C/41 °F	20 °C/68 °F	30 °C/86 °F
	Set to touch	7 h	2 h	1 h
	Dry to hard	36 h	12 h	10 h

* The actual drying time 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. 68 % (Determined by ISO 3233)

Theoretical Spreading Rate 5.44 m²/L in 125 μm dry film thickness on a smooth surface.

Specific Gravity Approx. 1.30 for Mixture of Base and Curing agent.

Flash Point Base (EH173S PTA) : 25 °C/77 °F (Closed cup)
Curing Agent (EH173S PTB) : -3 °C/27 °F (Closed cup)

Application Details

Surface Preparation Remove any oil, grease, dirt and any other 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 must be completely cleaned and dried. 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 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 3 h at 20 °C/68 °F

Preceding Coat Korepox Holding Primer EP170QD or Galvany Shopprimer IZ182 or according to the specification.

Thinning Thinner No. 078S, 078W
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.



KCC Corporation

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

Method For airless spray application ;
Nozzle orifice : 533 μm ~ 787 μm
Output pressure : 17.2 ~ 20.7 MPa
Fan : 60 °
(Airless spray data are indicative and subject to adjustment)

Typical 100 ~ 250 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 : 6 h
Maximum : 5 d

Before overcoating, remove the oil, salts, chalking materials and any other contaminants on aged coating film completely by proper cleaning method such as solvent cleaning and/or fresh water washing.

Subsequent Coat Generally this product is not recommended Subsequent Coat, but if necessary a subsequent film may become discolored by tar-bleeding.

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	Very Good	Very Good	Very Good	Excellent	Excellent
	Fumes	Excellent	Excellent	Excellent	Excellent	Excellent
	Immersion	Good	Good	Fair	Excellent	Excellent

Standard Packing Unit 16 L (EH173S PTA : 12.8 L, EH173S PTB : 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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