

# Korepox EH2350(GF) (Two-Component)



**Product Description** A two-component, pure epoxy resin based self-priming, anti-abrasion coating, reinforced with glass flake and excellent resistance to seawater, crude oil, fuel oil and abrasion. Also it provides a hard and tough film with long term durability, curable at low temperature even -18 °C/-0.4 °F and meets VOC requirements as high solids coating.

**Recommended Use** As an anti-corrosion and anti-abrasion coating for long-life protection of steel structures in severely corrosive environment such as Underwater hull outside, Boottop, Topside, Exposed parts of ship, Water ballast tank, Cargo holds, etc. Applicable to steel structures for offshore projects, plants, bridges and others.

## Physical Properties

**Finish and Color** Flat. Grey (1128), Mid buff (3362).

### Drying Time

Substrate temperature	5 °C/41 °F	20 °C/68 °F	30 °C/86 °F
Set to touch	8 h	1 h	30 min
Dry through	16 h	3 h	2 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. 80 % (Determined by ISO 3233)

**Theoretical Spreading Rate** 4.00 m<sup>2</sup>/L in 200 μm dry film thickness on a smooth surface.

**Specific Gravity** Approx. 1.50 for Mixture of Base and Curing agent.

**Flash Point** Base [ EH2350(GF) PTA] : 26 °C/79 °F (Closed cup)  
Curing Agent [ EH2350 PTB] : 26 °C/79 °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 Sa2, 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 3 °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, Korepox Holding Primer EP1700, Korepox EH2350, Galvany Shopprimer IZ182, or according to specification.

**Thinning** Thinner No. 024 or Other thinner approved by KCC  
**Do not dilute each components separately.**

This data is believed to be accurate but without any obligation

Please consult with our technical department for detail information . .

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<b>Application Method</b>	Spray (Airless or Air), Roller or Brush application. For airless spray application ; Nozzle orifice : 635 $\mu\text{m}$ ~ 889 $\mu\text{m}$ (0.025" ~ 0.035") Output pressure : 15.1 MPa ~ 17.2 MPa Fan : 60 ° (Airless spray data are indicative and subject to adjustment)																								
<b>Typical Film Thickness</b>	250 $\mu\text{m}$ dry. Depending on the purpose and the area of use, different film thickness may be applied.																								
<b>Recoating Interval</b>	At 20 °C/68 °F, Minimum : 3 h Maximum ; - Immersion : 12 d - Non-immersion : 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.																								
<b>Subsequent Coat</b>	Korepox EH2350(GF), Korepox Topcoat H.B. ET5740, Korepox Topcoat H.B. ET5745, Korevitar H.B. EH2540, Korepox H.B. EH2560 or according to specification.																								
<b>Shelf Life</b>	12 months																								
<b>Heat Resistance</b>	Continuous : 93 °C/200 °F (Non-immersion service) Non-continuous : 121 °C/250 °F (Non-immersion service)																								
<b>Chemical Resistance</b>	<table border="1"> <thead> <tr> <th></th> <th>Acids</th> <th>Alkalis</th> <th>Solvents</th> <th>Salts</th> <th>Water</th> </tr> </thead> <tbody> <tr> <td>Splash &amp; Spillage</td> <td>Good</td> <td>Good</td> <td>Very Good</td> <td>Excellent</td> <td>Excellent</td> </tr> <tr> <td>Fumes</td> <td>Very Good</td> <td>Excellent</td> <td>Excellent</td> <td>Excellent</td> <td>Excellent</td> </tr> <tr> <td>Immersion</td> <td>Fair</td> <td>Good</td> <td>Good</td> <td>Good</td> <td>Good</td> </tr> </tbody> </table>		Acids	Alkalis	Solvents	Salts	Water	Splash & Spillage	Good	Good	Very Good	Excellent	Excellent	Fumes	Very Good	Excellent	Excellent	Excellent	Excellent	Immersion	Fair	Good	Good	Good	Good
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<b>Standard Packing Unit</b>	16 L [EH2350(GF) PTA : 12.8 L, EH2350 PTB : 3.2 L]																								
<b>Remarks</b>	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.																								
<b>Issued</b>	August 2009, Rev.04																								

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