



## Korepox H.S. EH4158(GF) (Two-Component)

**Product Description** A two component, high-solids, high build, epoxy resin based coating reinforced with glass flake, and self-priming coating with excellent resistance to sea water. Also, it is suitable for immersion service in seawater, areas requiring a coating of exceptional corrosion and abrasion resistance.

**Recommended Use** Recommended for the areas requiring coatings of exceptional abrasion resistance, and durability such as bottom, fence, high way bridges and structural steel.

### Physical Properties

**Finish and Color** Flat. Red Brown, Grey (1128), etc.

**Drying Time**

Substrate temperature	5 °C/41 °F	20 °C/68 °F	30 °C/86 °F
Set to touch	8 h	3 h	2 h
Dry through	24 h	24 h	12 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. 83 % (Determined by ISO 3233)

**Theoretical Spreading Rate** 4.15 m<sup>2</sup>/L in 200 μm dry film thickness on a smooth surface.

**Specific Gravity** Approx. 1.40 for Mixture of Base and Curing agent.

**Flash Point** Base [EH4158(GF) PTA] : 25 °C/77 °F (Closed cup)  
Curing Agent [EH4158(GF) PTB] : 25 °C/77 °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,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) = 1 : 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, Galvany Shopprimer IZ182, 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.

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**Application Method** Spray (Airless or Air), Roller or Brush application.  
For airless spray application ;  
Nozzle orifice : 940  $\mu\text{m}$  ~ 1,397  $\mu\text{m}$  (0.037" ~ 0.055")  
Output pressure : 17.2 MPa ~ 20.7 MPa  
Fan : 60 °  
(Airless spray data are indicative and subject to adjustment)

**Typical Film Thickness** 150 ~ 350  $\mu\text{m}$  dry.  
Depending on the purpose and the area of use, different film thickness may be applied.

**Recoating Interval** At 20 °C/ 68 °F, Minimum : 4 h  
Maximum ; - Immersion : 6 d  
- Non-immersion : 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 H.S. EH4158(GF), Korepox Topcoat H.B. ET5740, Korepox Topcoat H.B. ET5745, Korevitar H.B. EH2540, Korepox H.B. EH2560, Korethan Topcoat UT6581, 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	Good	Good	Good	Excellent	Excellent
Fumes	Good	Good	Good	Excellent	Excellent
Immersion	Fair	Fair	Fair	Excellent	Excellent

**Standard Packing Unit** 16 L [EH4158(GF) PTA : 8 L, EH4158(GF) PTB : 8 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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