



Korepox H.S. EH3200 (Two- Component)

Product Description A two-component, solvent free, high build, epoxy resin based self-priming coating with excellent resistance to water and abrasion. Also, it provides a hard and tough film with long term durability and meets VOC regulation.

Recommended Use Recommended as a primer or finish coating for area of requiring excellent resistance to abrasion and corrosion such as offshore plant, piping, exposed structural steel.

Physical Properties

Finish and Color Semi gloss. Grey, Cream

Drying Time	Substrate temperature	10 °C/50 °F	20 °C/68 °F	30 °C/86 °F
	Set to touch	18 h	10 h	8 h
	Dry through	72 h	48 h	36 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. 100 % (Determined by ISO 3233)

Theoretical Spreading Rate 3.33 m²/L in 300 μm dry film thickness on a smooth surface.

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

Flash Point Base (EH3200-A) : 45 °C / 113 °F (Closed cup)
Curing Agent (EH3200-B) : 39 °C / 102 °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.
* Blast cleaning to minimum Sa2.5 for Immersion and Non-immersion.

Application Conditions The surface should be completely cleaned and dried.
* Use only where application and curing can proceed at temperature above 10 °C / 50 °F and at relative humidity below 85 %.
* The surface temperature should be at least 2.7 °C (5 °F) above dew point to prevent condensation.
* Storage should be between 20 ~30 °C (68~86°F) to ensure suitable application viscosity.
* Apply using a minimum airless spray pump of 45:1 ratio, for best results, 66:1 ratio is preferred.
* Paint application should be carried out the ambient and surface temperature conditions of over 10 °C/50 °F. After application, the curing temperature must be at least above 5 °C/41 °F to avoid film defects due to slow drying.
* Keep the temperature specified for application and curing.

Mixing Base (EH3200 Part A) : Curing Agent (EH3200 Part B) = 4 : 1 (by volume)
Mix thoroughly together prior to application in the proportions with power agitator as delivered.

Pot Life 1 h at 20 °C / 68 °F

Thinning None.
Thinner No. 024 or Other thinner approved by KCC (if necessary)

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 ;
Pump ratio : Min. 66 : 1
Nozzle orifice : 635 μm ~ 889 μm (0.025" ~ 0.035")
Output pressure : 27.3 MPa ~ 45.6 MPa
Fan : 40 ° ~ 60 °
(Airless spray data are indicative and subject to adjustment)

Typical Film Thickness 300 μm dry.
Depending on the purpose and the area of use, different film thickness may be applied.

Recoating Interval

	10 °C / 50 °F	20 °C / 68 °F	30 °C / 86 °F
Minimum	60 h	36 h	24 h
Maximum	14 d	7 d	5 d

* This is for recoating of EH3200, itself.

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. EH3200, 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)

Standard Packing Unit 16 L (EH3200-A : 12.8 L, EH3200-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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