



Korepox EH2590 is a two-component, epoxy resin based primer with good anti-corrosion, water resistance, mechanical property. It shows excellent recoatability with various weather-durable topcoats including Korexane topcoat. It can simplify the coating system and coating time for superstructure outside and cost can be reduced

Recommended use	Recommended as a primer coating for exposed deck, superstructure outside, topside and steel structures under severe weathering corrosion condition.
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Physical Properties

Finish and Color	Flat. Grey (1278)
Specific gravity	Approx. 1.4 Kg/L for mixture of base and curing agent.
Solids by volume	Approx. 70%
Spreading rate (Theoretical)	5.6m ² /L in 125 microns dry film thickness on a smooth surface.
Flash point	Base(EH2590-A) : 26°C (Closed cup) Curing agent(EH2590-B) : 26°C (Closed cup)

Application details

Surface preparation	* Steel: Blast cleaning to.Sa 2.5 or Power tool cleaning to St3, etc. Remove any oil, grease, dirt and any contaminant from the surface by proper method such as solvent cleaning and fresh water washing, etc.
Method of application	Brush, Spray (Airless or Air) application. For airless spray application : Nozzle orifice : 432μm ~ 635μm(0.017" ~ 0.025") Output pressure : 11.7 MPa ~ 15.2 MPa Fan : 65° (Airless spray data are indicative and subject to adjustment)
Mixing	BASE(Part A) : CURING AGENT(Part B) = 5 : 1 (by volume) Mix thoroughly together prior to application in the proportions with power agitator as delivered.
Thinning	Thinner No. 024 Do not dilute each component separately, only the mixture.
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.
Film thickness	100~200 microns dry. This will alter spreading rate and may influence drying time and recoating interval.
Drying time	At 20°C (68°F), Set to touch : 1.5hours Dry hard : 6hours Fully cured : 7days

	* 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.
Subsequent Coat	Korepox EH2590, Korexane ST1020 or according to specification.
Pot life	At 20°C (68°F), 4 hours after mixing.
Recoating interval	At 20°C /68°F, Minimum : 6 h Maximum : Free (with itself) Consult with KCC (with others) Prior to 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.

Storage and package

Shelf life	12 months
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Remarks

Note	Clean application equipments immediately with fresh water after use. Protect skin and eyes. Store indoors at 5°C ~ 30°C (41°F ~ /86°F) and protect from freezing.
1'st issue	2012-04-01
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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.

