A two-component, pure epoxy resin based self-priming, anti-abrasion coating with excellent resistance to seawater, crude oil, fuel oil and abrasion. Applicable over new or old steel requiring only the removal of loose rust as a surface tolerant coating.

Recommended use	As an anti-corrosion and anti-abrasion coating for long-life protection of steel structures in severely corrosive environment.

Physical Properties

Finish and Color	Grey, Red, etc
Specific gravity	Approx. 1.50 for Mixture of Base and Curing agent.
Solids by volume	Approx. 80 % (Determined by ISO 3233)
Spreading rate (Theoretical)	5.0 ㎡/L in 160㎛ dry film thickness on a smooth surface.
Flash point	Base (EH2350PTA) : 26°C / 79°F (Closed cup) Curing Agent (EH2350PTB) : 26°C / 79°F (Closed cup)
VOC	MAX. 240g/L (Determined by ISO 11890-1)

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 Sa2½ or power tool cleaning to St3, etc. • Profile requirements : 30 ~ 75 ㎛ in case of full or partial blast cleaning.
Preceding coat	According to specification.
Method of application	Spray : Airless or Air spray Brush and Roller : Recommended for small area and stripe coating for specified edges, welds, hard to reach areas, etc. For airless spray application ; Nozzle orifice : 482 ㎛ ~ 787 ㎛ (0.019″ ~ 0.031″) Fan : 40° ~ 60° Output pressure : 11.7 MPa ~ 15.2 MPa Airless Pump Ratio : 45 : 1 ~ 73 : 1 (Airless spray data are indicative and subject to adjustment)
Mixing	EH2350PTA (Part A, Base) : EH2350PTB (Part B, Curing agent) = 4 : 1 (by volume) • Mix with supplied mixing ratio only. Do not vary or subdivide. • Before mixing, shake or stir the Base very thoroughly.

- Pour the curing agent into the Base with constant mechanical stirring.

  Do not mix in reverse order.

Continuous stirring until mixture is free of lumps

Thinning

Product Name : Thinner No. 024 or Other thinner approved by KCC

Thinning Ratio : Max. 10% (by volume)

* Do not dilute each component separately

Application conditions

The surface should be adequately clean and dry. 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. Temperature during application and curing is preferable from -18°C / 0°F to 49°C / 120°F. This temperature condition is for the substrate and surrounding air.

Film thickness

(Per Coat)	Typical	Minimum	Maximum
Dry Film Thickness (㎛)	160	75	*
Wet Film Thickness (㎛)	200	94	*
Theoretical Spreading Rate (㎡/L)	5.00	10.67	*

* Max. total 2,000㎛ dry (as guideline of coating application. For more detailed information, consult with TSD (Technical Service Department) in KCC)

Drying time

Substrate temperature	5°C / 41°F	10°C / 50°F	20°C / 68°F	30°C / 86°F
Dry to touch	8 h	3 h	1 h	0.5 h
Dry to walk on	16 h	8 h	3 h	3 h
Dry to hard	16 h	8 h	3 h	3 h

* d : days, h : hours, Full : Full coat application, T/up : Touch-up application.

* These are the results from laboratory tests done under standardized conditions. Thus, actual times may be different due to environment situations such as weather, wind and humidity, etc.

Subsequent Coat

According to specification.

*For Water Ballast Tanks

1st Coat : Korepox EH2350 (160 ㎛ DFT)

2nd Coat : Korepox EH2350 (160 ㎛ DFT)

-. Depending on the purpose and the area of use, different film thickness may be applied.

Pot life

3 h at 20°C / 68°F

Pot life may be shorter under higher temperature and humid conditions.

Recoating interval

Substrate temperature	5°C / 41°F	10°C / 50°F	20°C / 68°F	30°C / 86°F
Dry to recoat (Full / Min.)	16 h	8 h	3 h	3 h
Dry to recoat (T/up / Min.)	16 h	8 h	3 h	2 h
Dry to recoat (Max.)	15 d	15 d	15 d	15 d
Dry to immersion (Full)	5 d	4 d	2 d	2 d
Dry to immersion (T/up)	3 d	3 d	2 d	1 d

* d : days, h : hours, Full : Full coat application, T/up : Touch-up application.

	* These are the results from laboratory tests done under standardized conditions. Thus, actual times may be different due to environment situations such as weather, wind and humidity, etc.
Heat resistance temperature	Continuous : 93 ℃/200 °F (Non-immersion service) Non-continuous : 121 ℃/250 °F (Non-immersion service)

Storage and package

Shelf life	EH2350PTA (Part A, Base) : 12 months (at 23 °C) EH2350PTB (Part B, Curing agent) : 24 months (at 23 °C)
Packing Unit	15 L (EH2350PTA : 12 L, EH2350PTB : 3 L)

Remarks

Handling Precautions	Protect skin and eyes from direct contact with liquid paint, and avoid prolonged breathing of solvent vapors. Use with adequate ventilation. Adequate ventilation with clean air should be maintained during application and curing to assist solvent evaporation. Respiratory protection is recommended when applying this product in confined spaces or stagnant air.
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