



A two-component, polyamide cured epoxy resin based high-build coating for heavy steel structures. It provides good resistance to water and excellent anti-corrosive property.

Recommended use	As a high-build primer or intermediate coat for use on the bridge or general steel structures. For structures exposed to outdoor, urethane topcoat is recommended to use.
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Physical Properties

Finish and Color	Flat. Grey, Green
Specific gravity	Approx. 1.3 ~ 1.5 for Mixture of Base and Curing agent.
Solids by volume	Approx. 70 % (Determined by ISO 3233)
Spreading rate (Theoretical)	7 m ² /L in 100 μm dry film thickness on a smooth surface
Flash point	Base (EH6270H-A) : 26 °C / 79 °F (Closed cup) Curing Agent (EH6270H-B) : 49 °C / 120 °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 Power tool cleaning to St3, etc			
Preceding coat	Galvany IZ180N or according to specification. When apply over inorganic zinc, a mist coat is required to reduce the bubbling.			
Method of application	Spray (Airless or Air), Roller or Brush application. For airless spray application ; Nozzle orifice : 432 μm ~ 635 μm (0.017" ~ 0.025") Output pressure : 11.7 ~ 15.2 MPa Fan : 40 ° ~ 60 ° (Airless spray data are indicative and subject to adjustment)			
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			
Thinning	Thinner No. 024 or Other thinner approved by KCC Do not dilute components separately..			
Application conditions	Apply only where application and curing can proceed at temperatures above 5 °C/41 °F. 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 μm dry. Depending on the purpose and the area of use, different film thickness may be applied.			
Drying time	Substrate temperature	5 °C / 41 °F	20 °C / 68 °F	30 °C / 86 °F
	Set to touch	18 h	4 h	3 h
	Dry through	72 h	24 h	20 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.
Subsequent Coat	Korethan Topcoat UT6581 or according to specification
Pot life	4 h at 20 °C / 68 °F
Recoating interval	At 20°C / 68°F, Minimum : 18 h Maximum : 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.
Heat resistance temperature	Continuous : 93 °C / 200 °F (Non-immersion service) Non-continuous : 121 °C / 250 °F (Non-immersion service)

Storage and package	
Shelf life	12 months
Packing Unit	15 L (EH6270H-A : 12 L, EH6270H-B : 3 L)

Remarks	
Note	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 during application in confined spaces or stagnant air.
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Revision	2009-08-01

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.

