



A two-component, polyamide cure based high solid epoxy zinc primer with content of more than 80% in total zinc. It provides long term protection of steel in severely corrosive environment, and has outstanding resistance to mechanical tear and wear. It conforms to the compositional requirements of SSPC paint 20, Level 2 and ISO 12944.

Recommended use	As a long-life primer for use on steel subjected to corrosive environment and mechanical hard wear.
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Physical Properties

Finish and Color	Flat. Metallic grey
Specific gravity	Approx. 2.5 for Mixture of Base and Curing agent.
Solids by volume	Approx. 60 % (Determined by ISO 3233)
Spreading rate (Theoretical)	10 m ² /L in 60 μm dry film thickness on a smooth surface.
Flash point	Base (EZ175(HS)-A) : 15 °C/59 °F (Closed cup) Curing Agent (EZ175(HS) -B) : 26 °C/79 °F (Closed cup)
Volatile Organic Compounds(VOC)	Korea Clean Air Conservation Act (including maximum dilution ratio) : 405 g/L (Determined by KS M ISO 3251)

Application details

Surface preparation	Remove any oil, grease, dirt and any other contaminants from the surface by proper method such as solvent cleaning and fresh water washing, etc. * Steel : Blast cleaning to Sa 2.5 or Power tool cleaning to St3, etc.				
Method of application	Spray (Airless or Air), Roller or Brush application. For airless spray application : - Nozzle orifice : 432 μm ~ 533 μm (0.017" ~ 0.021") - Output pressure : 13.5 ~ 29.2 MPa - Fan : 30 ° ~ 90 ° (Airless spray data are indicative and subject to adjustment) During the application, continuous agitation is required to prevent the sedimentation of zinc powder. For brush application : Use only for small areas or touch-up coating.				
Mixing	Base (EZ175(HS)-A) : Curing Agent (EZ175(HS)-B) = 4 : 1 (by volume) Mix thoroughly together prior to application in the proportions with power agitator as delivered.				
Thinning	Thinner No. 024 (Max. 5%) Do not dilute the components separately				
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	50 ~ 75 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	10 °C / 50 °F	20 °C / 68 °F	30 °C / 86 °F
	Set to touch	50 mins	30 mins	20 mins	10 mins

Dry through	12 h	10 h	6 h	4 h
Recoating Interval (Min)	8 h	6 h	4 h	2 h
Recoating Interval (Max)	free	free	free	free

* 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.

* 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.B EH6270, Korepox EH2350 or according to specification.
Pot life	8 h at 20 °C/68 °F
Heat resistance temperature	Continuous : 93 °C Non-continuous : 121 °C

Storage and package	
Shelf life	12 months (77°F / 25°C)
Storage	Do avoid humidity and direct light.
Packing Unit	15 L (EZ175(HS)-A : 12 L, EZ175(HS)-B : 3 L) 4L (EZ175(HS)-A: 3.2 L, EZ175(HS)-B : 0.8 L)

Remarks	
Note	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. Note that the paint performance may be chagned when exposed to high temperature.
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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.

