



A two-component, modified polyamide cured epoxy primer with high content of zinc phosphate as corrosion inhibiting pigment. It can be applied to non-ferrous metal surfaces which are impossible to do blast cleaning prior to application. It forms a hard and tough film with excellent adhesion property, abrasion resistance and impact resistance.

Recommended use	Generally applied as a multipurpose primer for steel surfaces or non-ferrous metal surfaces like aluminum and stainless steel (SUS) in moderately or severely corrosive condition, interior and exterior including coastal and marine environments. As a specially designed a multipurpose primer for non-ferrous metal including steel surfaces of the structures which is composed of various substrates and various finish coats in moderately or severely corrosive atmosphere. It can be applied as a primer by solvent cleaning without blast cleaning.
------------------------	---

Physical Properties

Finish and Color	Flat. Grey (1135), Ivory (3332)
Specific gravity	Approx. 1.50 for Mixture of Base and Curing agent.
Solids by volume	Approx. 65 % (Determined by ISO 3233)
Spreading rate (Theoretical)	6.5 m ² /L in 100 μm dry film thickness on a smooth surface.
Flash point	Base (EP1760 PTA) : 26 °C /79 °F (Closed cup) Curing Agent (EP1760 PTB) : 26 °C /79 °F (Closed cup)
VOC	Max. 360g/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. * Steel : Blast cleaning to Sa2.5, Power tool cleaning to St3, or Solvent cleaning. It can be applied non ferrous metal surfaces without surface treatment like blast cleaning to preserve the non ferrous metals itself. In case of hot dip galvanized steel surfaces which are shine and glossy, light sand papering or grinding is recommended to secure good adhesion to substrates.
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 : 483 μm ~ 686 μm (0.019" ~ 0.027") Output pressure : 11.7 MPa ~ 15.2 MPa

	Fan : 40° ~ 60° (Airless spray data are indicative and subject to adjustment)			
Mixing	Base (Part A) : Curing Agent (Part B) = 6 : 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	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. 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 temperatur	5℃/41°F	20℃/68°F	30℃/86°F
	Set to touch	1 h	30 min	20 min
	Dry through	20h	4h	2.5h
	* 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.			
Pot life	3 h at 20 °C/68 °F According to specification.			
Recoating interval	At 20 °C/ 68 °F, Minimum : 4 h Maximum : 30 d (for urethane topcoat) Free (for epoxy, alkyd topcoat) 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.			
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	EP1760-A (Part A, Base) : 12 months (at 23 °C) EP1760-B (Part B, Curing agent) : 24 months (at 23 °C)			
Packing Unit	15 L (EP1760-A : 12.8 L, EP1760-B : 2.2 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.

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.

1'st issue	2009-08-01
Revision	2022-10-25

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.

