

Multipurpose Primer EP1730 (Two-Component)



Product Description	A two-component, modified polyamide cured epoxy primer containing rust-inhibiting pigments as environmentally friendly coating. 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 very good adhesion properties, abrasion resistance and impact resistance. Limited resistance to vegetable oils and strong solvents such as ketones, esters, etc. Not recommended for mineral acids, or strong oxidizing solution.
Recommended Use	As special epoxy primer for galvanized steel of transmission tower or non-ferrous metal surfaces like aluminum and stainless steel (SUS). It can be applied as a primer by solvent cleaning without blast cleaning. Not recommended for continuous immersion services.

Physical Properties

Finish and Color	Flat. Grey (1105, 1128)			
Drying Time	Substrate temperature	5 °C / 41 °F	20 °C / 68 °F	30 °C / 86 °F
	Set to touch	1.5 h	30 min	20 min
	Dry through	24 h	6 h	4 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.			
Solids by Volume	Approx. 51 % (Determined by ISO 3233)			
Theoretical Spreading Rate	6.80 m ² /L in 75 μm dry film thickness on a smooth surface.			
Specific Gravity	Approx. 1.3 ~ 1.4 for Mixture of Base and Curing agent.			
Flash Point	Base (EP1730-A)	: 26 °C / 79 °F (Closed cup)		
	Curing agent(EP1730-B)	: 26 °C / 79 °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. It can be applied to 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.
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.
Mixing	Base (Part A) : Curing Agent (Part B) = 3 : 1 (by volume) Mix thoroughly together prior to application in the proportions with power agitator as delivered.
Pot Life	10 h at 20 °C / 68 °F Mix only the amount which can be used within its pot life.

This data is believed to be accurated but without any obligation

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Thinning	Thinner No. 024 or Other thinner approved by KCC Do not dilute each components separately, only the mixture.
Application Method	Spray (Airless or Air), Roller or Brush application. For airless spray application ; Nozzle orifice : 432 μm ~ 584 μm (0.017" ~ 0.023") Output pressure : 15 MPa Fan : 30 ° ~ 60 ° (Airless spray data are indicative and subject to adjustment)
Typical Film Thickness	75 μm dry. May be specified in another film thickness than indicated depending on purpose and area of use.
Recoating Interval	At 20 °C / 68 °F, Minimum : 6 h Maximum : 30 d 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.
Subsequent Coat	Korepox Enamel ET574, Korepox Topcoat H.B. ET5740, Korepox Topcoat H.B ET5745 or Korethan Topcoat UT6581, or according to specification.
Shelf Life	12 months
Heat Resistance	Continuous : 93 °C / 200 °F (Non-immersion service) Non-continuous : 121 °C / 250 °F (Non-immersion service)
Standard Packing Unit	16 L (EP1730-A : 12 L, EP1730-B : 4 L)
Remarks	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.
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