



EPOXY FIRE RETARDANT PRIMER EP1119 is a two-component, modified polyamide cured epoxy primer containing rust-inhibiting pigments(zinc phosphate) as environmental friendly coating.

It meets the standard of NFPA-130, BS 6853 and can be applied to non-ferrous metal surfaces which are impossible to do the blast cleaning prior to application.

It forms a hard and tough film with very good adhesion properties, abrasion resistance and impact resistance.

Limited resistance vegetable oils and strong solvents such as ketones, esters,etc.

Not recommended for mineral acids, or strong oxidizing solution.

Recommended use	1.As special epoxy primer for galvanized steel of transmission tower or non-ferrous metal surfaces like aluminum, copper plate and stainless steel(SUS). 2.It can be applied as a primer by solvent cleaning without blast cleaning. 3.Not recommended for continuous immersion services
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Physical Properties

Finish and Color	Flat. White, Gray, Black, Green and others depending on KCC's standard color sheet.
Specific gravity	Approx. 1.3 ~ 1.4 (kg/l) according to color
Solids by volume	Approx. 50~60% (Determined by ASTM D 2697)
Spreading rate (Theoretical)	14.5m ² /L in 30 microns dry film thickness on a smooth surface
Flash point	26°C ~ 32°C / 78°F ~ 89°F (Closed cup)

Application details

Surface preparation	The surface should be dry and clean Remove dust, oil and grease by solvent cleaning. It can be applied to nonferrous metal surfaces without surface treatment like blast cleaning to preserve the nonferrous metals itself. In case of Hot dipped galvanized steel surfaces which are shine and glossy, light sand papering or grinding is recommended to secure good adhesion to substrates.
Method of application	Brush, Roller, Spray (air or airless) application. For airless spray application; Nozzle orifice : 1.3~1.5mm Output pressure : 4~5Kg/cm ² Number of spray : 3~5 times (Airless spray data are indicative and subject to adjustment). Clean tools thoroughly with KOREPOX TOOL CLEANER 009 or THINNER No. 024, 024(HE)
Thinning	For air spray application, use THINNER No. 024, 024(HE) * Adjust the viscosity up to 16~20 sec. in Ford cup No.4. * Thinning ratio : 25 ~ 35% by Vol. * Do not dilute components separately, only the mixture.

	* But, it may be changed by application condition and environment, etc * Use designated thinner				
Application conditions	*The surface must be completely clean and dry. *Preferred temperature during application is 15~25℃/59~77°F, and relative humidity is 35 ~ 80%. *The surface temperature must be at least 3℃ (5°F) above dewpoint to prevent condensation.				
Film thickness	Recommended per coat 40 ~ 50 microns dry. May be specified in another film thickness than indicated depending on the purpose and area of use. This will alter spreading rate and may influence drying time and recoating interval.				
Drying time	Substrate temperature	0 °C/32 °F	10 °C/50 °F	20 °C/68 °F	30 °C/86 °F
	Set to touch	1 Hour	40 Mins	20 Mins	15 Mins
	Dry through	24 Hours	18 Hours	6Hours	4Hours
Subsequent Coat	URETHANE RETARDANT SURFACER UU2119, URETHANE RETARDANT TOP COAT UT5119, KORETHAN TOP COAT UT2578, UT3578 or specification.				
Pot life	At 20℃/68°F, 6 hours. Mix only the amount to be used within pot life				
Recoating interval	At 20℃/68°F, MIN. 5hour.				
	Maximum 5 days Before recoating, clean surface thoroughly.				
	Urethane topcoat or Epoxy topcoat should be applied within 30days..				
Heat resistance temperature	Continuous : 100℃/212°F				
	Non-Continuous : 120℃/248°F				
Storage and package					
Shelf life	12 months				
Packing Unit	16L (Base : Curing Agent EP1119-B = 12L : 4L)				
	4L (Base : Curing Agent EP1119-B = 3L : 1L)				
Remarks					
Note	1. Protect skin and eyes, and avoid prolonged breathing of solvent vapors 2. Use with adequate ventilation. 3. Keep the recommended film thickness at application. 4. Thick film per coat may result in bubbling defect. 5. Clean tools immediately after use. 6. Wear protective Gear in an enclosed area. 7. Stir thoroughly before use. 8. Seal off the remains				
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Revision					

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.

