



KOREPOX PRIMER EP1160(H) is A two-component, modified polyamide cured epoxy primer with high content of zinc phosphate as corrosion inhibiting pigment. It forms a hard and tough film with excellent adhesion property, abrasion resistance and impact resistance. It has no heavy-metal materials, so can improve a environment of your work place and meet the international environmental regulations.

Recommended use	As the primer for use on heavy-industrial equipment, transformer, gas insulated switchgear, tank, container and the general steel appliance, etc.
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Physical Properties

Finish and Color	Flat. White, Gray Colors are depending on KCC's standard color card, and other colors are available on request.
Specific gravity	1.3 ~ 1.5 (Kg/L) according to color.
Solids by volume	Approx. 55~60% (It's depended on color)
Spreading rate (Theoretical)	12㎡/L in 50 micron dry film thickness on a smooth surface.
Flash point	22~32℃/73.4~89.6°F (Closed cup).

Application details

Surface preparation	Remove any rust, dirt, oil and other contaminants from surface to be coated with suitable cleaning method. * Chemical conversion treatment is recommendable.
Preceding coat	GALVANY SHOPPRIMER IZ182 or according to specification
Method of application	Air spray application. Nozzle orifice : 1.3 ~ 1.5mm Output pressure : 4 ~ 5Kg/cm ² Number of spray : 3 ~ 5 times (going and coming) (Air spray data are indicative and subject to adjustment.) * Roller or Dipping is not recommendable.
Thinning	* For air spray application, use THINNER No. 024 Adjust the viscosity up to 16~20 sec. in Ford cup No.4 at 20℃/68°F (Thinning rate : 25~35% by volume). But, it may be changed by application condition and environment, etc. * Use well strained paint. * Only use specified 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 dew point to prevent condensation.
Film thickness	Recommended per coat 40 ~ 50 microns dry.

Drying time	Substrate temperature	5°C / 41°F	10°C / 50°F	20°C / 68°F	30°C / 86°F
	Dry to touch	8 h	3 h	1 h	0.5 h
	Dry to hard	16 h	7 h	4h	4h
	Dry to recoat(MIN)	16 h	7 h	4h	4h
	Dry to recoat(MAX)	3 d	5 d	5 d	5 d
	Dry (Full)	7 d	7 d	7d	7 d
Subsequent Coat	According to specification.				
Pot life	At 20℃ /68°F , 6 hours				
Heat resistance temperature	Continuous : 120℃ /248°F Non-Continuous : 150℃ /302°F				
Storage and package					
Shelf life	12 months				
Storage	Store in cool, dry, well-ventilated place. Can of bottom composition should be turned regularly twice a month.				
Packing Unit	16ℓ (Base : Curing Agent = 13.7ℓ : 2.3ℓ)				
Remarks					
Note	Avoid humidity and direct sunlight. Mix thoroughly prior to application. Keep containers closed when not in use. Keep away from sparks and open flames. Avoid prolonged breathing of solvent vapors and contact with skin and eyes. In case of eyes contact, flush immediately with plenty of water for at least 15 minutes. Use with adequate ventilation. Respiratory protection is recommended when spraying this material in confined space or stagnant air.				
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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.

