



A two-component, quick drying type, acrylic/polyurethane resin based finish coat with very good resistance against splash and spillage of acids, alkalis, solvents, salts and water. It also has outstanding weather resistance and color retention.

Recommended use	As a finish coat for use on steel or concrete structure under severe chemical or weathering corrosion condition and industrial environments.
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Physical Properties

Finish and Color	High gloss. White (1000), Grey (1128) * For more available color, consult with KCC's business department.
Specific gravity	Approx. 1.2 ~ 1.4 for Mixture of Base and Curing agent
Solids by volume	Approx. 60 % (Determined by ISO 3233)
Spreading rate (Theoretical)	15.0 m ² /L in 40 μm dry film thickness on a smooth surface
Flash point	Base (UT6581-A) : 29 °C/84 °F (Closed cup) Curing Agent (UT6581 -B) : 38 °C/100 °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.			
Preceding coat	Korepox H.B EH6270 or according to specification.			
Method of application	Spray (Airless or Air), Roller or Brush application. For airless spray application ; Nozzle orifice : 381 μm ~ 533 μm (0.015" ~ 0.021") 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) = 13.1 : 1.9 (by volume) Mix thoroughly together prior to application in the proportions with power agitator as delivered.			
Thinning	Thinner No. 0624, 037U Do not dilute each components separately, only the mixture.			
Application conditions	The surface should be cleaned and dried completely. 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 spaces, ventilate with clean air during application to assist solvent evaporation.			
Film thickness	40 μm dry. Maybe specified in another film thickness than indicated depending on purpose and area of use.			
Drying time	Substrate temperature	5 °C/41 °F	20 °C/68 °F	30 °C/86 °F
	Set to touch	7 h	2 h	1 h
	Dry through	48 h	24 h	18 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.
Pot life	3 h at 20 °C /68 °F
Recoating interval	At 20 °C / 68 °F, Minimum : 18 h Maximum : Free Prior to overcoating, remove the oil, salts, chalking materials 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	12 months
Packing Unit	15 L (UT6581 -A : 13.1 L, UT6581-B : 1.9 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. If you apply metallic colour(RAL9006(H), Semi-gloss) as T/UP, colour difference could occur. So please contact technical department before the application.
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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.





Korepox Primer/Sealer EP118 (Two-Component)

Product Description A polyamide cured epoxy resin based quick drying primer/sealer with excellent resistance to chemicals and water. It provides excellent adhesion to most substrates including concrete, wood, steel, etc. It assures excellent sealing and tight adhesion between the concrete and subsequent coat. It meets the requirements of ASTM C309 TYPE-I Moisture Retention of Concrete.

Recommended Use As a primer/sealer for use on concrete, wood floors or other substrate in areas where high anti-dust property is required such as nuclear power plant, electronic, precision equipment and chemical plant, etc.
As a form-release agent and curing compound for the protection of concrete surfaces during the construction.

Physical Properties

Finish and Color Gloss. Clear

Drying Time	Substrate temperature	5 °C/41 °F	20 °C/68 °F	30 °C/86 °F
	Set to touch	4 h	2 h	1 h
Dry through	36 h	12 h	10 h	
Fully cured	5 d	3 d	2 d	

* 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. 28 % (Determined by ISO 3233)

Theoretical Spreading Rate 5.6 m²/L in 50 μm dry film thickness on a smooth surface.

Specific Gravity Approx. 0.90 for Mixture of Base and Curing agent.

Flash Point Base (EP118 PTA) : 1 °C/34 °F (Closed cup)
Curing Agent (EP118 PTB) : 28 °C/82 °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.
* Steel : Blast cleaning to Sa 2.5 or power tool cleaning to St3, etc.
* Concrete : Must be cured at least 28 days at 20 °C/68 °F and below 80 % R.H., and surface must be grinding or abrasive blasted to remove laitance and other impurities. Moisture content of the concrete surface must be below 6 %.

Application Conditions The surface should be completely cleaned and dried. Do not apply when relative humidity is above 85 %. The surface temperatures 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) = 1 : 1 (by volume)
Mix thoroughly together prior to application in the proportions with power agitator as delivered.

Pot Life 8 hours at 20 °C/68 °F

Thinning Thinner No. 0642
Do not dilute components separately, only the mixture.

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Korepox Primer/Sealer EP118 (Two-Component)

Application Method	Spray(air or airless), Roller or Brush application. For airless spray application ; Nozzle orifice : 381 μm ~ 432 μm (0.015" ~ 0.017") Output pressure : 13.8 MPa (Airless spray data are indicative and subject to adjustment)
Typical Film Thickness	50 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 : 12 h Maximum : Free 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 Filler EC264(H), Korepox F.C EU254, Korepox F.C EU225(H), Korepox Color Mortar ER2233, or according to specification.
Shelf Life	12 months Store in cool, dry, well-ventilated place.
Standard Packing Unit	16 L (PTA : PTB = 8 L : 8 L).
Remarks	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.
Issued	April 2008