



A two-component, etching primer containing phosphoric acid and rust preventing pigments. It cures chemically by reaction of the mixed components.

Recommended use	As a pretreatment primer for use on non-ferrous metals such as aluminum and light alloys as well as galvanized steel.
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Physical Properties

Finish and Color	Flat. Red Brown, Grey
Specific gravity	Approx. 1.0 for Mixture of Base and Curing agent.
Solids by volume	Approx. 13 % (Determined by ISO 3233)
Spreading rate (Theoretical)	13 m ² /L in 10 μm dry film thickness on a smooth surface.
Flash point	Base (VP184 PTA) : 8 °C/46 °F (Closed cup) Curing Agent (VP184 PTB) : 8 °C/46 °F (Closed cup)

Application details

Surface preparation	Remove any oil, grease, dirt and any other contaminant from the surface before painting by proper method such as solvent cleaning and fresh water washing, etc. 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.			
Method of application	Brush, spray (Airless and Air) or dipping application. For airless spray application : Nozzle orifice : 432 μm ~ 483 μm (0.017" ~ 0.019") Output pressure : 7.6 MPa ~ 9.7 MPa Fan : 40 ° ~ 60 ° (Airless spray data are indicative and subject to adjustment)			
Mixing	Base (Part A) : Curing Agent (Part B) = 4 : 1 (by volume) Mix thoroughly together prior to application in the proportions with power agitator as delivered.			
Thinning	Thinner No. 053 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 areas, ventilate with clean air during application to assist solvent evaporation.			
Film thickness	10 μm dry. Depending on the purpose and the area of use, different film thickness may be applied			
Drying time	Substrate temperature	5 °C/41 °F	20 °C/68 °F	30 °C/86 °F
	Set to touch	40 min	20 min	10 min
	Dry through	2 h	1 h	1 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	8 hours at 20 °C/68 °F			
Recoating	At 20 °C / 68 °F, Minimum : 24 h Maximum : 7 d			

interval	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	16 L, 4 L
Remarks	
Note	Kovinyll wash primer contains phosphoric acid. Handle with care. Keep containers closed and away from heat, sparks and flame. 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. Do not store at temperature below 5 °C/41 °F or above 40 °C/104 °F.
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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.

