



Kovinyl Wash Primer VP185 is a two-component, etching primer containing phosphoric acid and rustpreventing pigments. It cures chemically by reaction of the mixed components.

Recommended use	As a temporary protective coating for a steel plates, specially protecting of inner hull in LNG carriers. Also It can use a pretreatment primer for non-ferrous metals such as aluminium and light alloys as well as galvanized steel.
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Physical Properties

Finish and Color	Flat. Red Brown					
Specific gravity	Approx. 0.94 for Mixture of Base and Curing agent.					
Solids by volume	Approx. 13 % (Determined by ISO 3233)					
Spreading rate (Theoretical)	4.3 m ² /L in 30 μm dry film thickness on a smooth surface.					
Flash point	Base (VP185 PTA) : 8 °C/46 °F (Closed cup) Curing Agent (VP185 PTB) : 8 °C/46 °F (Closed cup)					
Chemical Resistance		Acids	Alkalis	Solvents	Salts	Water
	Splash & Spillage	Fair	Good	Good	Good	Good
	Fumes	Good	Good	Good	Excellent	Excellent

Application details

Surface preparation	* Steel Blast cleaning to Sa2.5 to obtain 25~75 μm blast profile or power tool cleaning to St3. * Non-ferrous metals Remove any oil and grease and other impurities from the surface to be coated. Some types of galvanized steel may require light blasting with fine abrasive.
Method of application	Brush, spray (Airless and Air) application. For airless spray application : Nozzle orifice : 381 μm ~ 483 μm (0.015" ~ 0.019") Output pressure : 7.6 MPa ~ 9.7 MPa Fan : 40 ° ~ 60 ° (Airless spray data are indicative and subject to adjustment)
Mixing	Base (PTA) : Curing Agent (PTB) = 4 : 1 (by volume) Mix thoroughly together prior to application in the proportions with power agitator as delivered.
Thinning	Thinner No. 053 (Mixing rate : 30 ~ 50 %) Do not dilute the components separately.
Application	The surface should be cleaned and dried completely. Do not apply when relative humidity is above 85 %.

conditions	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	30 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	20 min	10 min	5 min
	Dry through	1 h	30 min	15 min
	* 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 h at 20 °C/68 °F			
Recoating interval	At 20 °C / 68 °F, Minimum : 24 h Maximum : Free Before 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 : 82 °C/180 °F (Non-immersion service) Non-Continuous : 93 °C/200 °F (Non-immersion service)			
Storage and package				
Shelf life	12 months			
Packing Unit	12 L (VP185 PTA : 9.6 L, VP185 PTB : 2.4 L) 18 L (VP185 PTA : 14.4 L, VP185 PTB : 3.6 L)			
Remarks				
Note	Kovynyl wash primer contains phosphoric acid. Handle with care. Keep containers closed and away from heat, sparks and flame. Avoid prolonged breathing of solvent vapors. Use with adequate ventilation. Respiratory protection is recommended during application in confined spaces or stagnant air. Do not store at temperature below 5 °C/41 °F or above 45 °C/113 °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.

