



Kovinyl Wash Primer VP184 (Two-Component)

Product Description 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.

Physical Properties

Finish and Color Flat. Reddish Brown (2231), Grey

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.

Solids by Volume Approx. 13 % (Determined by ISO 3233)

Theoretical Spreading Rate 13 m²/L in 10 µm dry film thickness on a smooth surface.

Specific Gravity Approx. 1.0 for Mixture of Base and Curing agent.

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.

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.

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.

Pot Life 8 hours at 20 °C/68 °F

Thinning Thinner No. 053
Do not dilute the components separately.

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.

Kovynyl Wash Primer VP184 (Two-Component)

Application Brush, spray (Airless and Air) or dipping application.

Method 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)

Typical 10 μm dry.

Film Thickness Depending on the purpose and the area of use, different film thickness may be applied.

Recoating Interval At 20 °C / 68 °F, Minimum : 24 h
Maximum : 7 d

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.

Shelf Life 12 months

Heat Resistance Continuous : 93 °C / 200 °F (Non-immersion service)

Non-Continuous : 121 °C / 250 °F (Non-immersion service)

Chemical Resistance

	Acids	Alkalis	Solvents	Salts	Water
Splash & Spillage	Fair	Good	Good	Good	Good
Fumes	Good	Good	Good	Excellent	Excellent

Standard Packing Unit 16 L, 4 L

Remarks 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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