



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

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| 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

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| 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

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| 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 in the proportions with power agitator and wait the mixture to react for about 30 minutes prior to application. | | | |
| Thinning | Thinner No. 053 (Max. 30% by volume) * 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. | | | | |

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| Pot life | 8 hours at 20 °C / 68 °F |
| Recoating interval | At 20 °C / 68 °F, Minimum : 24 h Maximum : 7 d 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 (VP184PTA : 12 L, VP184PTB : 3 L) 4 L (VP184PTA : 3.2 L, VP184PTB : 0.8 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 | 2021-11-23 |

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.

