



An oleo resinous based general purpose aluminum paint with good light reflection. Heat resistant up to 210 °C/410 °F. Approved as a Non contamination Paint for grain cargoes by North of England Industrial Health Service, and Fire Retardant Coating by Korean Register of Shipping (KR) and Lloyd's Register of Shipping (LR).

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| Recommended use | As a finish coat on interior and exterior steel and woodwork in mild to moderately corrosive marine and industrial environment where light reflection is desired, and/or for moderately hot surface. Self primer on steel with a service temperature between 120 °C ~ 210 °C / 148 °F ~ 410 °F. |
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Physical Properties

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| Finish and Color | Gloss. Aluminum (9180) | | | | | |
| Specific gravity | Approx. 1.0 | | | | | |
| Solids by volume | Approx. 49 % (Determined by ISO 3233) | | | | | |
| Spreading rate (Theoretical) | 24.5 m ² /L in 20 μm dry film thickness on a smooth surface | | | | | |
| Flash point | 26 °C / 79 °F (Closed cup) | | | | | |
| Chemical Resistance | | Acids | Alkalies | Solvents | Salts | Water |
| | Splash & Spillage | Poor | Poor | Poor | Good | Good |
| | Fumes | Poor | Poor | Poor | Good | Good |
| * NR : Not Recommended. | | | | | | |

Application details

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| 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 Sa2.5 or Power tool cleaning to St3, St2, etc |
| Preceding coat | Koramel Primer H.B. MP120, Koramel Primer MP125, or according to specification. |
| Method of application | Spray (Airless or Air), Roller or Brush application. For airless spray application : Nozzle orifice : 431.8 μm ~ 533.4 μm (0.017" ~ 0.021") Output pressure : 14.5 MPa Fan : 40 ° ~ 60 ° : (Airless spray data are indicative and subject to adjustment) If applied by brush this should be more than 4" width. The brushing work must not be made too many times, or it will become streaky and grayish. After the brushing has been applied already, it should be laid off with light strokes and in one direction only. For cleaning of tools use Thinner No. 002 or Korepox Tool Cleaner 009. |
| Thinning | Do not dilute |
| Application | The surface should be completely cleaned and dried. |

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| conditions | 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 | 20 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 | 12 h | 5 h | 3 h |
| | Dry through | 48 h | 16 h | 12 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. | | | |
| Recoating interval | At 20 °C / 68 °F , Minimum : 8 h | | | |
| | Maximum : Free | | | |
| | Before overcoating, remove any 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. | | | |
| Heat resistance temperature | Continuous : 210 °C / 410 °F (Non-immersion service) | | | |
| | Non-continuous : 230 °C / 446 °F (Non-immersion service) | | | |

Storage and package

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| Shelf life | 12 months |
| Packing Unit | 18 L |

Remarks

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| Handling | Protect skin and eyes, and avoid prolonged breathing of solvent vapors. |
| Precautions | Use with adequate ventilation. |
| | Respiratory protection is recommended when applying this material in confined spaces or stagnant air. |
| 1'st issue | 2008-04-01 |
| Revision | 2017-02-09 |

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.

