An oleo resinous based general purpose aluminum paint with good light reflection. Heat resistant up to 210 ℃/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).

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 ℃~ 210 ℃ / 148 °F~ 410 °F.

Physical Properties

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 ㎡/L in 20 ㎛ dry film thickness on a smooth surface
Flash point	26 ℃ / 79 °F (Closed cup)
VOC	Max. 399g/L (Determined by ISO 11890-1)

Application details

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	According to specification.
Method of application	Spray (Airless or Air), Roller or Brush application. For airless spray application : Nozzle orifice : 432 ㎛ ~ 533 ㎛ (0.017″ ~ 0.021″) Output pressure : 11.7 ~ 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. 012 or Korepox Tool Cleaner 009.
Mixing	One-componenet
Thinning	Do not dilute
Application conditions	The surface should be completely cleaned and dried. Do not apply when relative humidity is above 85 %. The surface temperature should be at least 2.7 ℃ (5 °F) above dew point to prevent condensation. In confined areas, ventilate with clean air during application to assist solvent evaporation.
Film thickness	20 ㎛ dry. Depending on the purpose and the area of use, different film thickness may be applied.

Drying time

Substrate temperature	5 ℃/41 °F	20 ℃/68 °F	30 ℃/86 °F
Set to touch	12 h	5 h	3 h
Dry through	48 h	16 h	12 h

	* These are the results from laboratory tests done under standardized conditions. Thus, actual times may be different due to environment situations such as weather, wind and humidity, etc
Subsequent Coat	According to specification
Pot life	One-component
Recoating interval	At 20 ℃/ 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 ℃ / 410 °F (Non-immersion service) Non-continuous : 230 ℃ / 446 °F (Non-immersion service)

Storage and package

Shelf life	OT407 : 24 months (at 23℃)
Packing Unit	18 L

Remarks

Note	Protect skin and eyes, and avoid prolonged breathing of solvent vapors. 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	2021-06-30