



Koramel Undercoating LU216

Product Description A fairly quick drying alkyd paint for use as an intermediate on properly primed steel.

Recommended Use As a general purpose undercoating in alkyd paint system on exterior and interior steel work in mild to moderately corrosive environment including industrial and marine atmosphere.

Physical Properties

Finish and Color Semi-gloss. White (1000), Grey (1128, 1107)
For application where light color topcoats are used or only one topcoat application is specified, use grey to facilitate better hiding from the topcoat.

Drying Time	Substrate temperature	5 °C/41 °F	20 °C/68 °F	30 °C/86 °F
	Set to touch	8 h	4 h	3 h
	Dry through	30 h	12 h	10 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. 51 % (Determined by ISO 3233)

Theoretical Spreading Rate 10.2 m²/L in 50 μm dry film thickness on a smooth surface.

Specific Gravity Approx. 1.35

Flash Point 38 °C/100 °F (Closed cup)

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.

Application Conditions The surface should be completely cleaned and dried. Do not apply when relative humidity is above 85 %. The surface temperatures should be at least 2.7 °C (5 °F) above dew point to prevent condensation. In confined areas, ventilate with clean air during application and drying to assist solvent evaporation.

Preceding Coat Koramel Red-Lead Q.D. LP117, Koramel Primer MP125, Koramel Primer H.B. MP120, or according to specification.

Thinning For brush and roller application : Thinner No. 012,
For spray application : Thinner No. 002

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.

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Application Method	Spray (Airless or Air), Roller or Brush application. For airless spray application ; Nozzle orifice : 381 μm ~ 533 μm (0.015" ~ 0.021") Output pressure : 14.5 MPa Fan : 60 ° (Airless spray data are indicative and subject to adjustment)																						
Typical Film Thickness	50 μm dry. May be specified in another film thickness than indicated depending on purpose and area of use.																						
Recoating Interval	At 20 °C/68 °F, Minimum : 12 h Maximum : Free Prior to overcoating, remove the 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.																						
Subsequent Coat	Koramel Enamel LT313, or according to specification.																						
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	<table><tr><th></th><th>Acids</th><th>Alkalis</th><th>Solvents</th><th>Salts</th><th>Water</th></tr><tr><td>Splash & Spillage</td><td>NR</td><td>NR</td><td>NR</td><td>Good</td><td>Excellent</td></tr><tr><td>Fumes</td><td>Poor</td><td>Poor</td><td>Poor</td><td>Good</td><td>Excellent</td></tr></table> * NR : Not Recommended						Acids	Alkalis	Solvents	Salts	Water	Splash & Spillage	NR	NR	NR	Good	Excellent	Fumes	Poor	Poor	Poor	Good	Excellent
	Acids	Alkalis	Solvents	Salts	Water																		
Splash & Spillage	NR	NR	NR	Good	Excellent																		
Fumes	Poor	Poor	Poor	Good	Excellent																		
Standard Packing Unit	18 L																						
Remarks	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 during application in confined spaces or stagnant air.																						
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