



NEO REFLECTIVE ALUMINIUM

PRODUCT CODE: RA00

TECHNICAL DATA SHEET NO. 06-Specialised Products

NOVEMBER 2018

Product Description	A new generation acrylic resin based, long-life, interior / exterior, high shine aluminium coating for industrial installations such as petrol and other storage tanks and structural steel work that need a highly durable corrosion resistant aluminium finish. The coating has excellent weather, humidity and UV light resistance.	
Application Areas	<ul style="list-style-type: none"> Interior and exterior use. Primed metal substrates. NEO Reflective Aluminium can be used in industrial and coastal environments. 	
Product Features	<ul style="list-style-type: none"> Highly durable and UV resistant for the harsh Namibian climate. Highly humidity, weather and chemical resistant. Excellent adhesion to range of properly prepared substrates. Very versatile. NEO Reflective Aluminium can easily be recoated without extensive preparations. The coating has a good heat resistance for temperatures up to 150 degrees Celsius. Two coats of NEO Reflective Aluminium are used for best results. 	
Product Data	Resin Base	Acrylic resin
	Drying Time	Touch dry: 30-60 minutes Hard dry: 2-3 hours
	Solid Matter by Content	By volume: ± 21% By mass: ± 30%
	Film Thickness	20-25 microns
	Spreading Rate	8-12 square metres per litre. Although the spreading rate will vary with porosity and type of substrate, for uncoated new surfaces work on 8-10 square metres per litre for the first coat and 10-12 square metres per litre for subsequent coats and when applied to sealed, previously painted substrates.
	Surface Appearance	Shiny silver
Application Details		
• Mixing	Always stir well before use with a flat paddle.	
• Application Method	Brush, roller or airless spray.	
• Thinning	NEO Reflective Aluminium is ready for use un-thinned; thinning with NEO Enamel Thinner (et01) will reduce its hiding power. Only for spray application, thin 20% with NEO Enamel Thinner (et01) .	
• Cleaning	NEO Enamel Thinner (et01) .	
• Application	<ul style="list-style-type: none"> Stir well before use. NEO Reflective Aluminium is ready for use un-thinned; thinning will reduce its hiding power. Two coats of NEO Reflective Aluminium are used for best results. With brush, roller or airless spray, apply a generous coat of NEO Reflective Aluminium. Only for spray application, thin 20% with NEO Enamel Thinner (et01). Allow to dry 4-6 hours before recoating. With brush, roller or airless spray, apply a second generous coat. Clean up application equipment with NEO Enamel Thinner (et01). Although the spreading rate will vary with porosity and type of substrate, for uncoated new surfaces work on 8-10 square metres per litre for the first coat and 10-12 square metres per litre for subsequent coats and when applied to sealed, previously painted substrates. Only apply in well ventilated areas and keep away from all ignition sources, flames and sparks. Do not eat, drink or smoke while applying. Do not apply before 09:00 and after 16:00 in the winter. Do not apply exterior if it looks like rain will occur within 4-6 hours of application. 	



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Surface Preparation	
<ul style="list-style-type: none"> • Mild Steel (Renovation) 	<ul style="list-style-type: none"> • Affected areas need to be cleaned / sand blasted back to bright metal and spot primed with NEO Corrotec (ct00). For coastal regions, use two coats of NEO Corrotec (ct00). • With brush, roller or airless spray, apply a generous coat of NEO Reflective Aluminium. Only for spray application, thin 20% with NEO Enamel Thinner (et01). • Allow to dry 4-6 hours before recoating. • With brush, roller or airless spray, apply a second generous coat.
<ul style="list-style-type: none"> • Mild Steel (New) 	<ul style="list-style-type: none"> • Abrasively degrease surfaces with NEO Metal Conditioner (mc00) to remove the manufacturer's grease protective layer. This process is repeated until the surface is water break free. • After drying the whole substrate is coated with NEO Corrotec (ct00). • With brush, roller or airless spray, apply a generous coat of NEO Reflective Aluminium. Only for spray application, thin 20% with NEO Enamel Thinner (et01). • Allow to dry 4-6 hours before recoating. • With brush, roller or airless spray, apply a second generous coat.
<ul style="list-style-type: none"> • Primed Metal or Surfaces Previously Coated with Aluminium 	<ul style="list-style-type: none"> • The existing paint coating should adhere well to the substrate. • Remove all peeling and flaking paint. • Remove dust, salt deposits and any mineral oil or greasy substances. • If possible make use of a high pressure cleaner to prepare surface. • Bare metal areas need to be spot primed with NEO Corrotec (ct00). • Allow to dry. • With brush, roller or airless spray, apply a generous coat of NEO Reflective Aluminium. Only for spray application, thin 20% with NEO Enamel Thinner (et01). • Allow to dry 4-6 hours before recoating. • With brush, roller or airless spray, apply a second generous coat.
Colour Range and Quantities	<ul style="list-style-type: none"> • NEO Reflective Aluminium is available in shiny Aluminium only. • Available in 5 litres and 20 litres.
Precautions	<ul style="list-style-type: none"> • NEO Reflective Aluminium is highly flammable and has a flashpoint of 37 degrees Celsius. • Only apply in well ventilated areas. • Do not eat, drink or smoke while applying.
Disclaimer	NEO Paints can not be held liable if the product fails due to improper surface preparation or application.
NEO PAINTS FACTORY (PTY) LTD Reg No 2002/214	
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