

Roadmaster® A1

Alkyd Modified Chlorinated Rubber Road Marking Paint

PC 680

- FEATURES**
- HIGHLY DURABLE
 - LOW DUSTING FOR SHARP LINE EDGES
 - HIGH BUILD SUITABLE FOR REFLECTIVE GLASS BEADS
 - EXTENSIVELY USED THROUGHOUT AUSTRALIA

- USES**
- ROADMASTER® A1 is a single pack, fast dry road marking paint based on a durable alkyd modified chlorinated rubber resin. It may be applied to concrete and bitumen surfaces without bleeding or discolouration, providing clean lines of high visibility.
 - ROADMASTER® A1 is recommended for marking roadways, car parks and pavements where long term durability is required, typically in shopping centres, drive-in theatres, factories and warehouse floors. It is suitable for projects of government departments, councils, schools and hospitals.
 - ROADMASTER® A1 lines may be beaded to impart reflectance and improve night visibility by dispersing suitable glass beads immediately onto the wet paint at the rate of 2 kg of bead to every 4 litres of paint.

CERTIFICATIONS AS4049.1

RESISTANCE GUIDE

WEATHERABILITY	Excellent	SOLVENTS	Resists alcohol, mineral turpentine and similar solvents. Not suitable for esters, ketones, ethers, chlorinated solvents or similar strong solvents.
HEAT RESISTANCE	Up to 65°C dry heat	WATER	Resists rain and condensation. Not recommended for permanently damp or immersed exposure.
SALTS	Excellent resistance to neutral salt solutions	ALKALIS	Not recommended where splash or spillage may occur.
ACIDS	Not recommended where splash or spillage may occur.	ABRASION	Excellent resistance to tyre abrasion

TYPICAL PROPERTIES AND APPLICATION DATA

CLASSIFICATION	Chlorinated rubber/alkyd roadmarking paint	
FINISH	Flat	
COLOUR	White, Yellow, Red and Black	
COMPONENTS	One	
VOLUME SOLIDS	56% (White)	
VOC LEVEL	<380 g/L (White)	
FLASH POINT	4°C	
POT LIFE	Not applicable	
THINNER	965-63020	Dulux® CR Reducer
PRODUCT CODE	809-50335	White
	809-88629	Yellow
	809-H0150	Red
	809-62007	Black
	809-39027	MTO RM Blue
	809-H0247	MTO RM Green

APPLICATION CONDITIONS

	Min	Max
Air Temp.	10°C	45°C
Surface Temp.	10°C	45°C
Relative Humidity		85%
Concrete Moisture		<6%

COATING THICKNESS (MICRONS)

	Min	Max	Recommended
Wet Film Per Coat (µm)	375		375
Dry Film Per Coat (µm)	210		210

SUITABLE SUBSTRATES	Clean asphalt and concrete
PRIMERS	Not applicable
TOPCOATS	Luxafloor WB Sealer
APPLICATION METHODS	Airless Spray

DRYING CHARACTERISTICS AT 210 µm DRY FILM THICKNESS*

Temperature	Humidity	Touch	Handle	Full Cure	OVERCOAT	
					Min	Max
25° C	50%	5 Minutes	10 Minutes	7 Days	10 Minutes	Extended

The drying figures are a guide only, as ventilation, film thickness, humidity, thinning and other factors will influence the rate of drying.

SPREADING RATE 2.7 square metres per litre equals 210 µm dry film thickness

ASSUMING NO LOSSES

NOTE: Practical spreading rates will vary depending on such factors as application method, ambient conditions, surface porosity and roughness.

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TYPICAL SYSTEMS

This is a guide only and not to be used as a specification. Your specific project needs must be discussed with a Dulux Protective Coatings Consultant.

SURFACE	ENVIRONMENT	PREPARATION GUIDE	SYSTEM	DFT (µm)
CONCRETE	Exterior/Interior	Remove curing agents and other surface contaminants. Ensure surface is clean and dry.	1st Coat Roadmaster® A1	210 µm

NOTE: If application is by brush or roller, additional coats will be necessary to achieve the minimum DFT and full opacity. For reflective lines, broadcast reflective glass beads immediately onto the wet paint at the rate of 0.5 kg per litre.

SURFACE PREPARATION	Concrete Floors: Concrete must be at least 28 days old before coating. Remove oil, grease and other oily contaminants with Gamlen CA 1 (according to the manufacturer's written instructions and all safety warnings). Diamond grind, track or light shot-blast concrete floors to remove laitance, curing compounds, hardeners, and to provide a suitable profile. Remove all dust by vacuum cleaning. Fill any large cracks or voids using Luxepoxy® Filler. Asphalt: Asphalt must be at least one month old before coating. Remove all oil, grease, dust and other surface contaminants. Ensure surface is clean and dry prior to painting.											
APPLICATION	Mix each can thoroughly using a power mixer until the contents are uniform. Remix thoroughly before application.											
APPLICATION EQUIPMENT	AIRLESS SPRAY: Standard airless spray equipment such as a Graco Merkur 30:1 with a fluid tip of 15 thou (0.38mm) and an air supply capable of delivering 550-690 kPa (80-100 p.s.i.) at the pump. Thinning is not normally required but up to 50 ml/litre of Dulux® CR Reducer (965-63020) may be added to aid application. <table><tr><td>Tip Orifice</td><td>Atomising Pressure</td><td>Material Hose ID</td><td>Pump Manifold Filter</td></tr><tr><td>15 thou (0.38mm)</td><td>16,500-20,700kPa (2,400-3,000 p.s.i.)</td><td></td><td></td></tr></table> Roller: Roller application is not recommended due to the very short dry time of the product. Brush: Brush application is suitable for small areas only. Apply even coats of the material to the prepared surface. Thin if necessary with up to 50 ml/litre with Dulux® CR Reducer (965-63020) to aid application. When brushing additional coats may be required to attain the specified thickness.				Tip Orifice	Atomising Pressure	Material Hose ID	Pump Manifold Filter	15 thou (0.38mm)	16,500-20,700kPa (2,400-3,000 p.s.i.)		
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15 thou (0.38mm)	16,500-20,700kPa (2,400-3,000 p.s.i.)											
PRECAUTIONS	This is an industrial product designed for use by experienced Protective Coating applicators. Where conditions may require variation from the recommendations on this Product Data Sheet contact your nearest Dulux® Representative for advice prior to painting. Do not apply in conditions outside the parameters stated in this document without the written consent of Dulux® Australia. Do not apply at relative humidity above 85% or when the surface is less than 3°C above the dewpoint. Do not apply to the road when rain threatens. Build up on the spray tip may occur in hot weather due to the rapid dry of this product. It is recommended that the gun tip be placed in a container of thinner when not in use. When using over previously painted lines, a trial area should first be coated to ensure that wrinkling or other forms of attack do not occur. Application should be standardised to ensure uniformity in surface appearance and film thickness.											
CLEAN UP	Clean all equipment with Dulux® CR Reducer (965-63020) immediately after use.											
OVERCOATING	Remove oil, grease, dirt and other surface contaminants. Ensure surface is clean and dry and the existing coating is compatible with this product and does not compromise the adhesion of the aged system.											
SAFETY PRECAUTIONS	Read Data Sheet, SAFETY DATA SHEET and any precautions on container labels. SAFETY DATA SHEET is available from Customer Service (132377) or www.duluxprotectivecoatings.com.au <table><tr><td>Product Line Shade, Product Name, and SDS Number</td><td>SDS Link</td></tr><tr><td>809-LINE, ROADMASTER A1, DLXGHSEN000551</td><td>View SDS Link</td></tr></table>				Product Line Shade, Product Name, and SDS Number	SDS Link	809-LINE, ROADMASTER A1, DLXGHSEN000551	View SDS Link				
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STORAGE	Store as required for a flammable liquid Class 3 in a bunded area under cover. Store in well-ventilated area away from sources of heat or ignition. Keep containers closed at all times.											
HANDLING	As with any chemical, ingestion, inhalation and prolonged or repeated skin contact should be avoided by good occupational work practice. Eye protection approved to AS1337 should be worn where there is a risk of splashes entering the eyes. Always wash hands before smoking, eating, drinking or using the toilet.											
USING	Use with good ventilation and avoid inhalation of spray mists and fumes. If risk of inhalation of spray mists exists, wear combined organic vapour/particulate respirator. Duct into a non-confined space to allow for large dilution with fresh air. When spraying, users must comply with their respective State Spray Painting Regulations.											
FLAMMABILITY	This product is flammable. All sources of ignition must be eliminated in, or near the working area. DO NOT SMOKE. Fight fire with foam, CO ₂ or dry chemical powder. On burning will emit toxic fumes.											
WELDING	Avoid inhalation of fumes if welding surfaces coated with this paint. Grind off coating before welding.											

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COMPANY INFORMATION		PACKAGING, TRANSPORT AND STORAGE			
Dulux Protective Coatings is a division of		PACKAGING Available in 4 litre and 15 litre packs			
DuluxGroup (Australia) Pty Ltd 1956 Dandenong Road, Clayton 3168 A.B.N. 67 000 049 427	DuluxGroup (New Zealand) Pty Ltd 150 Hutt Park Road, Lower Hutt, NZ A.B.N. 55 133 404 118	TRANSPORTATION WEIGHT	1.65 kg/litre		
		DANGEROUS GOODS	Part A:	Class 3	UN 1263
			Part B:	N/A	N/A

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