

# 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.

ROADMASTER® A1 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. Refer to AS4049.1 for a recommended application rate of glass beads.

### RESISTANCE GUIDE

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

### TYPICAL PROPERTIES AND APPLICATION DATA

<b>CLASSIFICATION</b>	Chlorinated rubber/alkyd road marking paint		<b>APPLICATION CONDITIONS</b>		
<b>FINISH</b>	Flat			Min	Max
<b>COLOUR</b>	White, Yellow, Red, Black, Blue and Green		<b>Air Temp.</b>	10°C	45°C
			<b>Substrate Temp.</b>	10°C	45°C
			<b>Relative Humidity</b>		85%
			<b>Concrete Moisture</b>		<6%
<b>COMPONENTS</b>	One		<b>COATING THICKNESS (MICRONS)</b>		
<b>VOLUME SOLIDS</b>	±61% (White)			Min	Max
<b>VOC LEVEL</b>	<340 g/L (White)				Recommended
<b>FLASH POINT</b>	4°C		<b>Wet film per coat (µm)*</b>	350	400
					375
<b>POT LIFE</b>	Not applicable		<b>Dry film per coat (µm)</b>	210	245
<b>MIXING RATIO V/V</b>	Single Pack				225
			*Refer to AS4049.1 section H4.1.1		
<b>THINNER</b>	965-63020	Dulux® CR Reducer	<b>SUITABLE SUBSTRATES</b>	Suitably prepared and dry asphalt and concrete. Both cured minimum 28 days.	
<b>PRODUCT CODE</b>	809-50335	White	<b>PRIMERS</b>	Not applicable	
	809-03300	White	<b>TOPCOAT</b>	Luxafloor® CFS, formerly known as Luxafloor® WB Sealer	
	809-88629	Yellow			
	809-H0150	Red	<b>APPLICATION METHODS</b>	Airless spray only. Spot Touch up w/ Brush possible.	
	809-62007	Black			
	809-39027	RM Blue			
	809-H0247	RM Green			

### DRYING CHARACTERISTICS AT 225 µm DRY FILM THICKNESS\*

Temperature	Humidity	Touch	No Pick Up	Full Cure	OVERCOAT	
					Min	Max
25° C	50%	5 Minutes	10 Minutes	7 Days	10 Minutes	Extended

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

<b>SPREADING RATE</b> ASSUMING NO LOSSES	<b>2.7 square metres per litre equals 225 µm dry film thickness</b> 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 & ASPHALT	Exterior/Interior	Remove curing agents and other surface contaminants. Ensure surface is clean and dry.	1 <sup>st</sup> Coat Roadmaster® A1	225 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.

<b>SURFACE PREPARATION</b>	<p><b>Concrete Floors:</b> 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 blast or light shot-blast concrete floors to remove laitance, curing compounds, hardeners, and to achieve a CSP2 to CSP 3 concrete surface profile in accordance with ICRI Guideline No. 310.2R. Remove all dust by vacuum cleaning. Fill any large cracks or voids using Luxepoxy® Filler.</p> <p><b>Asphalt:</b> Asphalt must be at least 28 days old before coating. Longer times may be required depending upon the asphalt mix, environmental conditions, and other mitigating circumstances. Remove all oil, grease, dust by a combination of Gamlen CA 1 (according to the manufacturer's written instructions and all safety warnings), pressure washing, and blowing off of debris. Other surface contaminants should be addressed in a manner suitable for removal and ensuring a clean surface remains. Ensure surface is clean and dry prior to painting.</p>			
<b>APPLICATION</b>	Mix each can thoroughly using a power mixer until the contents are uniform. Remix thoroughly before application.			
<b>BRUSH/ROLLER</b>	Roller application is not recommended due to the very short dry time of the product.			
<b>AIRLESS SPRAY</b>	Brush application is suitable for small areas only. Use high quality natural or synthetic bristle brushes. 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.			
	<b>Use a Graco LineLazer V5900 or equivalent airless line striping equipment.</b> Thinning is not normally required but up to 50 ml/litre of Dulux® CR Reducer (965-63020) may be added to aid application.			
	Tip Orifice	Atomising Pressure	Material Hose ID	Pump Manifold Filter
	0.015" – 0.017" (381 - 432 microns)	2,000– 3,000 psi (138 – 207 bar)	3/8" (9.5 mm)	50 mesh (297 microns)
	<b>NOTE:</b> A 2 metre x ¼" (6.35mm) whip hose is allowed at the end of the material hose for greater ease of application when free spraying curbs or other areas. Spray gun should be Graco Contractor Grade Silver Gun or equivalent.			
<b>PRECAUTIONS</b>	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. When used in pedestrian areas use of a non-slip additive should be considered. Excess thinning or excess film build may lead to cracking of the asphalt. This is particularly evident when coating broad areas.			
<b>CLEAN UP</b>	Clean all equipment with Dulux® CR Reducer (965-63020) immediately after use.			
<b>OVERCOATING</b>	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.			
<b>SAFETY PRECAUTIONS</b>	<b>Read Data Sheet, SAFETY DATA SHEET and any precautions on container labels. SAFETY DATA SHEET is available from Customer Service (13 23 77) or <a href="http://www.duluxprotectivecoatings.com.au">www.duluxprotectivecoatings.com.au</a>. Where ventilation may be an issue, refer to a qualified third party for a recommendation.</b>			
<b>STORAGE</b>	Store as required for a flammable liquid Class 3 in a bonded area under cover. Store in well-ventilated area away from sources of heat or ignition. Keep containers closed at all times.			
<b>HANDLING</b>	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.			
<b>USING</b>	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.			
<b>FLAMMABILITY</b>	This product is flammable. All sources of ignition must be eliminated in, or near the working area. DO NOT SMOKE. Fight fire with foam, CO2 or dry chemical powder. On burning will emit toxic fumes.			
<b>WELDING</b>	Avoid inhalation of fumes if welding surfaces coated with this paint. Grind off coating before welding.			

COMPANY INFORMATION		PACKAGING, TRANSPORT AND STORAGE	
Dulux Protective Coatings 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	1.81 kg/litre
		DANGEROUS GOODS	Class 3 UN 1263

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