

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 at the rate of 2 kg of bead to every 4 litres of paint.

SPECIFICATIONS 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		APPLICATION CONDITIONS			
FINISH	Flat			Min	Max	
COLOUR	White, Yellow, Red and Black		Air Temp.	10°C	45°C	
			Substrate Temp.	10°C	45°C	
			Relative Humidity		85%	
			Concrete Moisture		<10%	
COMPONENTS	One		COATING THICKNESS (MICRONS)			
VOLUME SOLIDS	56% (White)			Min	Max	Recommended
VOC LEVEL	<380 g/L (White)		Wet film per coat (µm)	375	–	375
FLASH POINT	4°C		Dry film per coat (µm)	210	–	210
POT LIFE	Not applicable		SUITABLE SUBSTRATES	Clean asphalt and concrete		
MIXING RATIO V/V	Single Pack		PRIMERS	Not applicable		
THINNER	965-63020	Dulux® CR Reducer	TOPCOATS	Not applicable		
PRODUCT CODE	809-50335	White	APPLICATION METHODS	Airless spray only		
	809-88629	Yellow				
	809-H0150	Red				
	809-62007	Black				
	809-39027	MTO RM Blue				
	809-H0247	MTO RM Green				

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

*These 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.

ROADMASTER® A1

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.	1 st 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	<p>Concrete Floors: Concrete must be at least 28 days old before coating. Remove curing compounds, 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 and to provide a suitable profile. Remove all dust by vacuum cleaning. Fill any large cracks or voids using Luxepoxy® Filler.</p> <p>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.</p>			
APPLICATION	Mix each can thoroughly using a power mixer until the contents are uniform. Remix thoroughly before application.			
BRUSH/ROLLER	Roller application is not recommended due to the very short dry time of the product. 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.			
CONVENTIONAL SPRAY	Thin up to 100ml/litre with Dulux® CR Reducer (965-63020) to aid atomisation. Apply in multiple wet coats overlapping each pass 50%.			
	Typical Set-up	Graco AirPro: Pressure at Triton 308: Pressure at Gun:	1.8mm (239543) 70-100 kPa (10-15 p.s.i.) 410-480 kPa (60-70 p.s.i.)	
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.			
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. When used in pedestrian areas use of a non-slip additive should be considered.			
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.			
SAFETY PRECAUTIONS	Read Data Sheet, SAFETY DATA SHEET and any precautions on container labels. SAFETY DATA SHEET is available from Customer Service (13 23 77) or www.duluxprotectivecoatings.com.au			
STORAGE	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.			
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. 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.			

COMPANY INFORMATION

Dulux Protective Coatings a division of

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

PACKAGING, TRANSPORT AND STORAGE

PACKAGING Available in 4 litre and 15 litre packs

TRANSPORTATION WEIGHT 1.65 kg/litre

DANGEROUS GOODS Class 3 UN 1263

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