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

Excellent resistance to tyre abrasion

TYPICAL PROPERTIES AND APPLICATION DATA

CLASSIFICATION
Chlorinated rubber/alkyd roadmarking paint

APPLICATION CONDITIONS

FINISH
Flat

Air Temp.

Min
Max

10°C
45°C

COLOUR
White, Yellow, Red and Black

Substrate Temp.

Relative Humidity

Concrete Moisture

Min
Max

10°C
45°C

85%
<10%

COATING THICKNESS (MICRONS)

Min
Max
Recommended

10°C
45°C

Wet film per coat (μm)

375
–
375

Dry film per coat (μm)

210
–
210

SUITABLE SUBSTRATES

Clean asphalt and concrete

PRIMERS

Not applicable

TOPOCOATS

Not applicable

APPLICATION METHODS

Airless spray only

MIXING RATIO V/V

Single Pack

DRIED CHARACTERISTICS AT 210 μm DRY FILM THICKNESS*

OVERCOAT

<table>
<thead>
<tr>
<th>Temperature</th>
<th>Humidity</th>
<th>Touch</th>
<th>Handle</th>
<th>Full Cure</th>
<th>Min</th>
<th>Max</th>
</tr>
</thead>
<tbody>
<tr>
<td>25°C</td>
<td>50%</td>
<td>5 Minutes</td>
<td>10 Minutes</td>
<td>7 Days</td>
<td>10 Minutes</td>
<td>Extended</td>
</tr>
</tbody>
</table>

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

SPREADING RATE

ASSUMING NO LOSSES

2.7 square metres per litre equals 210 μm dry film thickness

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. | 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 curing compounds, oil, grease and other oil 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.

**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**

**BRUSH/Roller**

Mix each can thoroughly using a power mixer until the contents are uniform. Remix thoroughly before application.

**CONVENTIONAL SPRAY**

Apply in multiple wet coats overlapping each pass 50%.

**AIRLESS SPRAY**

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.

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

**PRECAUTIONS**

**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 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 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. Fire with foam, CO2 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

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**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