

DULUX ALBERTONO ROAD MARKING PAINT

TECHNICAL DATA SHEET

Version 5 – 2024

THIS ISSUE SUPERSEDES ALL PREVIOUS PUBLICATIONS

PRODUCT DESCRIPTION

A quick drying, solvent based road line paint

PRODUCT USES

- Suitable for direct application to all types of new or previously painted bituminous and concrete road surfaces.

FEATURES AND BENEFITS

- Reduces the need for coning and offers more line length per working day.
- Formulated for use on bitumen and concrete road surfaces and offers excellent road service.
- Excellent day and night visibility for applications with glass beads.
- Good retro reflectivity due to excellent glass bead retention.
- Can be applied by brush, roller or road lining machine.
- Produces a surface with anti-skid properties.
- No added lead.
- **Dulux Albertono Road Marking Paint** contains no added Mesityl Oxide.

PRODUCT INFORMATION

Appearance	Low sheen
Colour	White, Yellow, Obliterating Dark Blue/Grey & Red
Binder Type	Modified Alkyd Resin
Density at 23°C	Approx. 1.53Kg/L
Solids Content	By weight: Approx. 65% By volume: Approx. 47%
Packaged Viscosity	Viscosity at 23°C: Approx. 85 - 95 KU
Spreading Rate	Approx. 2.7 m ² /litre at 380µm WFT (25 - 30 linear metres/litre for 100mm stripe), depending on surface porosity, profile and application method.
Recommended DFT per coat	175 – 185 µm.
Recommended WFT per coat	370 – 390 µm.
Flash Point	24°C.

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APPLICATION INFORMATION

Mixing	Stir until homogeneous with a flat paddle.
Application Surface conditions	Surface Temperature between 10 - 35°C. Relative Humidity between 10 - 80 % OR 2°C above dew point minimum.
Application methods	Airless spray road-lining machine. Brush, roller or conventional spray application can be used for small areas after thinning 5% of product volume.
Thinner	Dulux Albertono Roadline Thinner - Xylene with product code 5148150 for 5lt (maximum 5%, only if necessary).
Drying Time	<u>Un-Thinned</u> : No pick-up time: 30 minutes maximum at 23°C. <u>Thinned 5%</u> by volume: 30 minutes maximum at 23°C.
Recoating Time	N/A. One coat only.
Cleaning of equipment	After use, remove as much product as possible, and then clean immediately with Dulux Roadline Thinner - Xylene.
Substrates	Correctly prepared bituminous and concrete surfaces.
Precautions:	Do not apply during cold (below 10°C) or wet weather.
Coats Required	One coat only. To achieve the required properties, ensure adequate film build of at least 380µm wet film thickness.

SURFACE PREPARATION

Ensure that surfaces are sound and free from dust, oil, grease, dirt, and debris. Surfaces must be thoroughly dry - no more than 12% moisture content.

Bituminous and concrete road surfaces

- Surfaces should be clean, dry, and free from loose gravel, sand, oil, grease, and other contaminants – no more than 12% moisture content.
- Smooth concrete surfaces can be profiled by sand blasting to achieve a paintable surface. Sand of an appropriate quality should be used - river sand is not suitable.
- Acid etch concrete floors with a solution of hydrochloric acid to remove laitence, uncured cement, etc. as follows:

On steel or power-floated concrete (very smooth), use one (1) volume hydrochloric acid to two (2) volumes water. More than one application may be necessary to achieve a paintable surface.

Allow the acid solution to react for 15 minutes and then wash away all acid with copious amounts of clean water. Remove excess water and allow thorough drying – no more than 12% moisture content.

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SURFACE PREPARATION

Bituminous and cement road surfaces - Continue

On wood-floated concrete (rough), use one (1) volume hydrochloric acid to four (4) volumes water.

Allow the acid solution to react for 15 minutes and then wash away all acid with copious amounts of clean water. Remove excess water and allow thorough drying – no more than 12% moisture content.

N.B. Hydrochloric acid is corrosive - please wear protective clothing, gloves, masks and eye goggles against splashes.

HEALTH AND SAFETY INFORMATION

Solvent based paints are highly flammable.

This product contains no added lead. Avoid contact with skin or eyes. Keep out of reach of children. If accidentally swallowed, seek medical advice immediately and show this container to the doctor. Dry sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes. Wet sanding should be used wherever possible.

If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used. Do not empty into drains or watercourses.

Ensure good ventilation during application and drying. It is recommended to use suitable protective clothing and equipment. To avoid the risk of spillage, always store and transport containers in a secure upright position. Refer to Material Safety Data Sheet for complete information.

ADDITIONAL INFORMATION

Packaging	5Lt, 20Lt
Storage Conditions	Store under cool dry conditions away from direct sunlight, heat and extreme cold.
Disclaimers	Among others, the following factors may affect final colour appearance: product sheen and texture, colour and light reflections, application, surface texture and preparation.

For best colour and sheen consistency, it is advisable to use containers of the same batch number, to mix different batches together in a large container, or to finish in a corner before starting a new container.

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TDS STANDARD DISCLAIMER

The recommendations contained herein are given in good faith and meant to guide the specifier or user in accordance with good painting practices. They are gained from our tests and experiences and are believed to be accurate and reliable. No warranty/guarantee is implied by the recommendations contained herein since the conditions of use; application method, substrate and cleanliness of the substrate are beyond Dulux control.

Important Note; Technology may change with time, necessitating changes to this Technical Data Sheet (TDS).

It is the responsibility of the user to ensure that the latest TDS is being used for reference. Dulux Technical Data Sheets are available on our website www.dulux.co.za or please contact: Dulux On-Line on 0860 330 111. Email ZA.Helpline@akzonobel.com

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