

ROADLINE PAINT (REFLECTIVE)
Updated Feb'20


Roadline Paint (Reflective) is a synthetic resin based paint for road markings like centrelines, edge lines, crosswalks, etc. It contains selected tiny glass spheres which reflect light back to the source effectively and thus make the markings under automotive headlight more visible to the driver at night. Roadline Paint (Reflective) is fast drying and has excellent abrasion resistance. It is not recommended for airport runways & taxiways, cement and masonry surfaces.

Product Features:

- Fast Drying
- Reflect Light at night make the marking more visible
- Excellent abrasion resistance
- Approved by SIRIM to Malaysian Standard MS 164:2007

| Paint Type | Product Type | Finishing | Recommended Substrate | Pack Size |
|---------------|--------------|-----------|-----------------------|-----------|
| Solvent based | Exterior | Matt | Road Marking | 5 Litres |

Composition

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|---------|---|
| Pigment | : Mainly Titanium Dioxide and Mineral Extenders |
| Binder | : Synthetic Resin |
| Thinner | : Hydrocarbon |

Technical Data

| | |
|----------------|--|
| Drying Time | : Touch Dry : 5 –10 minutes : Hard Dry : 20 – 30 <i>Drying time above is based on temperature 28 – 32 °C, humidity 70 – 80% and 5% dilution with Roadline Thinner.</i> |
| Recoating Time | : 20 – 30 minutes <i>Recoating time above is based on temperature 28 – 32 °C, humidity 70 – 80% and 5% dilution with Roadline Thinner.</i> |

**Important Note:*

Drying Time and recoating time are strongly depending on environment ventilation, paint thickness, environment temperature, environment humidity, number of coats applied, thinner used to dilute product and recoat materials. So drying time and recoating time provided is for guide only.

| | |
|----------------------|---|
| Dry Film Thickness | : 50 - 60 µm per coat (based on substrate condition) |
| No. of Coats | : 2 coats for new surface |
| Theoretical Coverage | : 9 - 11 m ² per litre (Actual coverage is dependent on substrate condition, application method, application condition and finishing appearance) |
| Volume Solid | : ~ 70 % |
| Shelf Life | : Up to 24 months in tight sealed container |

Application Method

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|----------------|---|
| Brush / Roller | : Where necessary, use 5% Roadline Thinner by volume. |
|----------------|---|

Recommended Coating System

| | | |
|-----------------|----------------------|-----------|
| Primer / Sealer | : Not applicable | |
| Top Coat | : Roadline Paint (R) | : 2 Coats |

Surface Preparation

Surfaces must be sound, clean, dry and free from all defective or poorly adhering material, dirt, grease, etc. Due to the variability of asphalt, newly laid bitumen based surfaces (up to six months old) will need to be sealed with a coat of emulsion paint (such as Roadliner 268 White), in order to prevent bleeding. A test area is recommended before work is commenced.

Cleaning

Clean up equipment with thinner immediately after use.

Safety Precautions

- Keep container tightly closed and keep out of reach children or away from food and drink.
- Ensure good ventilation during application and drying.
- When applying paint, it is advisable to wear eye protection.
- In case of contact with eye, rinse with plenty of water immediately and seek medical advice.
- Remove splashes from skin by using soap or water.
- Paint must always be stored in a cool place.
- When transporting paint, care must be taken. Always keep container in a secure upright position.
- Dispose off any paint waste in accordance with the appropriate Environment Quality Regulations.

Note

* Theoretical Coverage is based on a mathematical formula

$$\left[\frac{\text{Volume Solid \%} \times 10}{\text{Dry Film Thickness}} \right] = \text{m}^2/\text{lit}/\text{coat}$$

and does not consider LOSS FACTORS.

Variables like porosity of substrate, application method, dilution ratio, dry film thickness, opacity and so on will affect the loss factor and can vary from 30% - 50% or even more.

The above information is given to the best of our knowledge based on laboratory tests and practical experience.

However, since we cannot anticipate or control the many conditions under which our products may be used, we can only guarantee the quality of the product itself.

We reserve the right to alter the given without prior notice.