



Air drying type Traffic Paint

KS M 6080 Class 1

1. Product Overview

This paint is produced by using an acrylic synthetic resin as a binder, mixed with white, yellow pigment and extender. This paint is one-component paint used to draw traffic signs such as roads and airstrips.

2. Product Characteristics

- Fast drying and excellent workability.
- Excellent hiding power and adhesion.
- Excellent abrasion resistance.
- Excellent in water resistance, alkali resistance, weather resistance.

3. Properties

Color	White, Yellow	Recommended film thickness (μm)	Wet film : 200 μm
Viscosity (at 25°C)	85 - 95KU		Dry film : 100 μm
Specific gravity	White : 1.50 - 1.50	Drying time (20°C)	set-to-touch : min. 5
	Yellow : 1.45 - 1.50		no-pick-up : min. 20
Solids by volume (%)	52 \pm 2%	Coverage (m^2/ℓ)	4.9 m^2/ℓ
Gloss	Matt		32 m^2/ℓ (thickness 15cm)
Application	brush, roller, spray		

※ The application area may vary depending on the condition of the road surface and the coating method.

4. Reflective glass beads

Type	Consumption (kg/m^2)	Application
KS L 2521 type 2 (106 ~ 600 μm)	0.29 kg/m^2	manual and spray

5. Painting specification

- Surface preparing : Remove the moisture, dirt, oil etc from the surface of the road.
- Surface condition : To avoid condensation of moisture, the surface temperature should be 3 °C above the dew point and the relative humidity below 85%.
- Application : brush, roller, spray
- Thinner : non thinning
- Temperature : Use at atmospheric temperature 5 °C ~ 40 °C.
(※ Operation below 5 °C will causes poor drying and poor adhesion.)
- Vehicle pass available time : min. 20 / 20 ~ 25°C (Recommended film thickness dry. 100 μm)

This data is based on theory and experience in the laboratory and can be changed without prior notice due to continuous improvement of our quality. The amount of use may vary depending on site conditions (climate, working methods, road conditions, etc.).

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6. Cautions on painting

- Avoid painting when the relative humidity is above 85% and the substrate surface temperature is below 5°C.
(Occur of problem (crack, poor adhesion etc.))
- Use after confirming the compatibility with the old film on repairing the old film.
- Do not mix with other company products.
- Isolate from fire because the rate of evaporation is fast.
- Remove the moisture, dirt, oil etc from the surface of the road.
- Stir to be mixed uniformly before application.
- If diluent is used, dilute to within 10% by using specified diluent.
- It is necessary to coat with the specified coating amount. In case of excessive coating at one time, the problem of drying failure may occur.
- If the coating surface is new concrete, apply it when the curing time is sufficient (curing for more than 30 days at 20 °C), the pH is 7 ~ 9 and the water content is less than 8%.
- In case of repetitive painting, it should be painted after confirming that it is sufficiently dried.
(Lifting, wrinkling, reverling, etc. may occur)
- Use at atmospheric temperature 5 °C ~ 40 °C. To avoid condensation of moisture, the surface temperature should be 3 °C above the dew point and the relative humidity below 85%.

7. Cautions on handling

- Prohibition of use other than the recommended use.
- Keep out of reach of children. Do not apply to children's equipment and food storage containers.
- When transporting, storing and handling the product, avoid fire and direct sunlight, store it in a dry and dark, keep the container sealed, and keep the filling port facing up.
- To prevent environmental pollution, completely use the contents and dispose of the remaining amount through the designated waste disposal company.
- Contains organic solvents and may cause headaches, dizziness, and other health problems. Avoid ingestion, inhalation of vapors, and skin contact.
- Do not store or paint near fire. Avoid sparks due to impact, friction, etc. during handling.
- In case of contact with eyes, rinse immediately with plenty of water and seek doctor.
- If inhaled, move to a place with clear air. If irritation develops, consult a doctor immediately.
- If ingested, seek medical advice immediately.
- Use the product in efficacy period. (12 months)
 - ※ For more information on product safety, see the Material Safety Data Sheet (GHS-MSDS).

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