

APCO Road Marking Fast Dry Water Borne Paint

Production Description

Water based environmental friendly 100% acrylic finish. Designed specifically to meet the requirements of road marking and other traffic paints. It is fast drying and hence minimizes traffic hold-ups. This product is formulated to suit the application commonly practiced for Australian road marking. Durable road marking coating that is suitable for bitumen and concrete surfaces and will not discolour with bleeding. APCO Fast Dry Road Marking Paint delivers clean lines with high visibility and is suitable for use with reflective glass beads.

Areas of Application

APCO Fast Dry Road Marking Paint for road & line marking concrete and bituminous roads, highways, pavements, car parks, shopping centres, factories and Warehouse lines and floors.

Technical Data

Colour Range	White N14, Golden Yellow Y14, Blue Bell B41, Bright Blue B23, Black N61, Emerald G13, Signal Red R13, Homebush Yellow Y26 (other colours on request)
Gloss Level at 60° head	Matt
Solvent Resistance	Being thermoplastic film sensitive towards alcohol & aromatic hydrocarbons
Toxicity	Dry film is not toxic
Flammability	Non-flammable
Thinning	Water. It is recommended to avoid water addition as it retards drying.
Cleaning Solvent	Water
Viscosity @ 25° C	210-230 grams
Density	1.63-1.73
Theoretical Coverage**	5 sq. m. / litre per coat. Practical coverage may depend on surface profile, method of application and losses.
Weight Solids (%)	77.00 – 81.5 %
Volume solids (%)	63.50 – 65.5 %
Drying Time (at 25°C & RH 60%)*	No pick up time (White N14): Less than 1 min 30 seconds. No pick up time (Bright Yellow Y14): Less than 3 min. Cooler Temperatures, higher film thickness, low air flow conditions or higher humidity conditions will require longer drying time.
Volatile Organic Content	53g/L
Packs available	1000L, 500L, 200L, 20L, 15L, 10L
Theoretical Coverage	3.2 sq m /L at 200µm Dry film thickness. 2.2 sq m /L at 300µm Dry film thickness.
Component	Single Component
Australian specification	ISO9001:2008 , APAS 0041/5, AS4049.3

*Cooler temperature, higher film thickness and higher humidity conditions will require longer drying times

**Practical coverage may depend on surface profile, method of application and losses. Higher film thickness will lead to lower coverage.

White & Standard Colour Range. (Other colours available on MTO request)



The colours shown above are for reference use only, refer to Australian Standards AS2700 colour chart for accurate colour swatches

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Application

This product is suitable for manual and automatic road marking machine and should be applied by a trained applicator. Ensure adequate film build when applying coating. Can also be used for brush and roller application where the area is small.

Surface Preparation

Ensure that the area where line marking is to be done is clean and free from all dirt, dust, grease, oil, loosely adhered material and all other surface contamination. If any mould or fungus is present on the surface, wash it with a commercial bleaching agent and then with rinse with clean water. Allow the surface to dry fully before application.

Mix and Colour Check

Mix the paint thoroughly just prior to application. Mix smaller containers with a wide flat (25mm) paddle or a hand paint mixer with a perforated base, in a circular lifting motion from the bottom of the container for 5 minutes or until the paint and colour are thoroughly mixed. Remix the paint every hour to ensure product consistency.

Check colour to the colour chart/standard prior to application. Inner mix multiple containers together to ensure colour consistency. Replace and secure container lid during painting to prevent the paint drying within the container.

Flammability & Transport Information

- Non-flammable.
- Ensure container is upright with lid secure.
- Ensure the container is secured in the vehicle for transport.

Environmental

- Do not wash painting equipment and allow waste to enter drains and water ways.
- Do not dispose of unwanted paint and thinners that will enter drains and water ways.
- Refer to state / local EPA and council web sites for environmental and safe disposal details.

Safety & Precautions

- Do not apply when surface temperature is below 10⁰ C.
- Do not apply in environments of high humidity/moisture, or if pending rain is a possibility.
- Apply in calm fine weather conditions.
- Cease painting if weather changes are forecast.
- Use only the recommended thinner for dilution and cleaning.
- Check paint colour to the colour chart/standard prior to application
- Provide adequate ventilation during use.
- Keep out of reach of children
- Avoid exposure of the new paint film to steam for 48 hours and to washing or scrubbing for 7 days.
- Check cross cut adhesion test of old coating before repainting.
- Apply a test sample for compatibility of this product over a small test area.

The technical information and suggestions for use and application are given in good faith. Since conditions of use are beyond the manufacturer's control, information contained herein is without warranty, implied or otherwise. The manufacturer does not assume any liability for any loss or injury resulting from the use of the product. Cooler temperature, higher film thickness and higher humidity conditions will require longer drying times