

APCO Road Marking Preformed Thermoplastic

Production Description

APCO Road Marking Preformed Thermoplastic is ready-to-use thermoplastic road marking. The prefabricated markings can be applied to road surfaces all year round. APCO Road Marking Preformed Thermoplastic lets you to heighten traffic safety without expending a lot of resources. Application is quick and simple. A long life road marking material supplied preformed to size and shape ready for installation. APCO Road Marking Preformed Thermoplastic is manufactured from thermoplastic material conforming to RTA Spec 3357 and AS/NZS 4049.2

Areas of Application

APCO Road Marking Preformed is for road & line marking of bituminous roads, highways, pavements, car parks, shopping centres, factories and warehouse lines and floors. Pre-treat all concrete surfaces with a tack coat. Note. Not suitable for application to bricks, pavers and ribbed surfaces.

Technical Data

Colour Range	White, Black, Disability Blue, Green, Red, Orange and Yellow.
Thickness	2 – 3 mm
Luminance	80 minimum
Melting Point	150°C - 180°C
Skid Resistance (BPN)	50 minimum
Retro Reflectivity (after 12 months)	100 minimum (mcd/lux/m ²)
Density	1.9 – 2.0 (g/cm ³)
Gradation of mineral content	20% (w/w) minimum
Glass bead content	20% (w/w) minimum
Abrasion resistance	0.6g/100 revolutions maximum
Flash Point @ ° C	230° C minimum
Availability	Lines, Arrows, Numbers, Letters, Symbols and Logos
Component	Single Preformed Component
Transportation	Not classified as dangerous goods by Australian Code (ADG Code)
Australian specification	RTA Spec 3357. And AS/NZS 4049.2

Application

Clean and prepare the surface. Heat the area to be marked with a blow torch/burner to eliminate moisture trapped in the 'pores'. Heating also helps to burn off oil and grease films on the road surfaces. Use suitable size burner. Burner head of 75mm diameter would be the minimum to give an even distribution of heat. Remove the APCO Preformed Thermoplastic road marking material from its protective package and place it in position on the road surface. Large markings may be made up of several pieces. Apply heat evenly until thermoplastic begins to bubble. Softening the thermoplastic is not enough, the bitumen underneath must melt to allow proper bonding to take place. The marking should be heated to melting point (150°C to 180°C) and care taken not to overheat it. The correct temperature is easy to assess as the material will bubble and melt sufficiently to bond it permanently in position. The heated marking cools rapidly and is ready for traffic within minutes. Care should be taken not to touch the material whilst it is hot as serious burns can occur from hot thermoplastic materials.

Australian Paint Company Pty Ltd

SYDNEY

13-27 Melbourne Road, Riverstone NSW 2765
P: (02) 9832 0000

BRISBANE

444 Newman Road, Geebung QLD 4034
P: (07) 3265 7890

E: info@apccoatings.com.au
www.apccoatings.com.au

As per Clause 5 of RTA Pavement Marking Specification R141 – “0.4 to 0.7mm white crushed quartz approved equivalent shall be uniformly surface applied to transverse lines and other markings while material is still molten”. This provides initial skid resistance. Drop on glass beads can also be applied at the same time to give initial retroreflectivity. When applying thermoplastic on concrete surfaces, APCO Tack Coat Primer must be applied prior to installing preformed thermoplastic. APCO Tack Coat Primer is a specially formulated primer or tack coat to enhance the adhesion of thermoplastic to concrete road surfaces.

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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.

Colour Check

Check colour to the colour chart/standard prior to application.

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 clean equipment and allow waste to enter drains and water ways.
- Do not dispose of unwanted product and cleaner 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 in environments of high humidity/moisture, or if pending rain is a possibility.
- Apply in calm fine weather conditions.
- Cease application if weather changes are forecast.
- Check colour to the colour chart/standard prior to application
- Provide adequate ventilation during use.
- Keep out of reach of children
- 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.

APCO Coatings 13-27 Melbourne Road Riverstone NSW 2765 Phone (02) 9832 0000 /

info@apcocoatings.com.au

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