

SECTION FOURTEEN

PAINTED PAVEMENT MARKINGS

This section covers the requirements for the supply and application of roadmarking paint for longitudinal lines and intersection markings on the road surface.

14.01 STANDARDS

The position and dimensions of the roadmarking and linemarking shall conform to the following standards:

VicRoad's Traffic Engineering Manual.

14.02 DEFINITIONS

- (a) Roadmarking is the term used to define all lines and markings applied by hand or by non self propelled machines such as Stop/Give Way lines, pedestrian lines, arrows, and legends.
- (b) Linemarking is the term used to define all lines applied by self propelled machines such as centre, lane, edge, turn and continuity lines.

14.03 MATERIALS

- (a) Roadmarking Paint

Paint shall comply with the requirements of the Australian Standard K146-1967 for roadmarking paint of Type 2, Class A Government Paint Committee No. 6PC-P-41.

The paint shall be suitable for use of roads surfaced with a sprayed seal, hot and cold mixed asphalt and Portland cement concrete.

The paint shall be white.

- (b) Glass Beads

Glass beads shall be used on the roadmarkings and these shall conform with the requirements for drop-on beads as described in Australian Standard 2009 "Glass Beads for Traffic Marking".

14.04 SITE PREPARATION

The area to be marked shall be dry and free of dirt, gravel and other loose or foreign material to ensure the best possible adhesion and coverage of the road surface.

14.05 LAYOUT OF MARKINGS

The set out for pavement markings shall be carried out by the Contractor in accordance with the Drawings.

14.06 PAINTING OF MARKINGS

Painting shall not commence until the Superintendent has inspected the set out and given the consent to proceed.

All marking shall be of uniform thickness and intensity. Care shall be taken to avoid overspray on to the surrounding area.

Glass beads shall be sprinkled and sprayed on to the painted surface while it is still wet to produce a uniform coverage over the whole painted surface. The beads shall be applied to all markings.

All markings are to be in accordance with the dimensions and spacings as set out in the Drawings.

14.07 APPLICATION RATES

The minimum application rates for the paint and glass beads shall be as follows:

- (a) (i) Roadmarking - 0.3mm minimum dry film (or 0.4 - 0.71/m² wet film, depending on type of paint used).
- (ii) Linemarking - 0.2mm minimum dry film (or 0.26 - 0.461/m² wet film, depending on type of paint used)
- (b) Glass beads - 350 ± 50g/m².

14.08 PROTECTION OF WORK

The Contractor shall be responsible for protecting the work using traffic cones or other means, and ensuring that wet paint is not picked up and spread by tyres of passing traffic. If pick-up does occur, the Superintendent may direct that the spread paint be removed at the Contractor's cost. In such cases the method of removal shall be reviewed by the Superintendent.

14.09 TOLERANCES

The Contractor shall paint pavement markings so that:

- (a) the distance between the centreline of the marking and the centreline of the set out mark is less than 30mm;
- (b) the apparent line of the markings is a smooth, continuous alignment when viewed in the direction of travel;
- (c) the width and length of markings shall be within ±5mm of the specific dimensions; and
- (d) the paint thickness and markings shall be within +50%, -0% of the specified thickness.

The acceptance of markings outside the above tolerance will be at the discretion of the Superintendent who will determine the extent of reduced payment for out-of-tolerance markings.