NOTICE
This document is a Roads and Maritime Services D&C Specification. It has been developed for use with Design & Construct roadworks and bridgeworks contracts let by Roads and Maritime Services. It is not suitable for any other purpose and must not be used for any other purpose or in any other context.

Copyright in this document belongs to Roads and Maritime Services.

<table>
<thead>
<tr>
<th>Ed/Rev Number</th>
<th>Clause Number</th>
<th>Description of Revision</th>
<th>Authorised By</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ed 1/Rev 0</td>
<td></td>
<td>First issue</td>
<td>GM, CPS</td>
<td>21.11.13</td>
</tr>
</tbody>
</table>
COLOURED SURFACE COATINGS
FOR BUS LANES AND CYCLEWAYS

Copyright – Roads and Maritime Services
IC-DC-R110
# CONTENTS

<table>
<thead>
<tr>
<th>CLAUSE</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>FOREWORD</td>
<td>II</td>
</tr>
<tr>
<td>RMS Copyright and Use of this Document</td>
<td>ii</td>
</tr>
<tr>
<td>Base Specification</td>
<td>ii</td>
</tr>
<tr>
<td>1 GENERAL</td>
<td>1</td>
</tr>
<tr>
<td>1.1 Scope</td>
<td>1</td>
</tr>
<tr>
<td>1.2 Structure of the Specification</td>
<td>1</td>
</tr>
<tr>
<td>2 MATERIALS</td>
<td>2</td>
</tr>
<tr>
<td>2.1 General</td>
<td>2</td>
</tr>
<tr>
<td>2.2 Aggregate</td>
<td>2</td>
</tr>
<tr>
<td>2.3 Pigmented Binder System</td>
<td>3</td>
</tr>
<tr>
<td>2.4 Priming Materials</td>
<td>3</td>
</tr>
<tr>
<td>2.5 Sampling and Testing</td>
<td>3</td>
</tr>
<tr>
<td>3 DESIGN OF COLOURED SURFACE COATINGS</td>
<td>3</td>
</tr>
<tr>
<td>4 SURFACE PREPARATION</td>
<td>4</td>
</tr>
<tr>
<td>5 APPLICATION OF COLOURED SURFACE COATINGS</td>
<td>4</td>
</tr>
<tr>
<td>5.1 General</td>
<td>4</td>
</tr>
<tr>
<td>5.2 Plant and Equipment</td>
<td>5</td>
</tr>
<tr>
<td>5.3 Protection of Work</td>
<td>5</td>
</tr>
<tr>
<td>5.4 Pavement Temperature and Weather Conditions</td>
<td>5</td>
</tr>
<tr>
<td>5.5 Application of Binder</td>
<td>5</td>
</tr>
<tr>
<td>5.6 Application of Aggregate</td>
<td>6</td>
</tr>
<tr>
<td>5.7 Clean Up of Work</td>
<td>6</td>
</tr>
<tr>
<td>5.8 Protection of Services and Road Fixtures</td>
<td>6</td>
</tr>
<tr>
<td>5.9 Surplus and Waste Materials</td>
<td>6</td>
</tr>
<tr>
<td>5.10 Work Record</td>
<td>7</td>
</tr>
<tr>
<td>6 MAINTENANCE AFTER CONSTRUCTION COMPLETION</td>
<td>7</td>
</tr>
<tr>
<td>7 FINISHED SURFACING PROPERTIES</td>
<td>7</td>
</tr>
<tr>
<td>7.1 Surface Texture</td>
<td>7</td>
</tr>
<tr>
<td>7.2 Frictional Characteristics</td>
<td>7</td>
</tr>
<tr>
<td>7.3 Delamination and Ravelling</td>
<td>8</td>
</tr>
<tr>
<td>7.4 Colour</td>
<td>8</td>
</tr>
<tr>
<td>7.5 Nonconformity</td>
<td>8</td>
</tr>
<tr>
<td>ANNEXURES R110/A TO R110/B – (NOT USED)</td>
<td>9</td>
</tr>
<tr>
<td>ANNEXURE R110/C – SCHEDULES OF HOLD POINTS, WITNESS POINTS AND IDENTIFIED RECORDS</td>
<td>9</td>
</tr>
<tr>
<td>C1 Schedule of Hold Points and Witness Points</td>
<td>9</td>
</tr>
<tr>
<td>C2 Schedule of Identified Records</td>
<td>9</td>
</tr>
<tr>
<td>ANNEXURE R110/D – PLANNING DOCUMENTS</td>
<td>10</td>
</tr>
<tr>
<td>ANNEXURES R110/E TO R110/K – (NOT USED)</td>
<td>10</td>
</tr>
</tbody>
</table>
D&C R110  Coloured Surface Coatings for Bus Lanes and Cycleways

ANNEXURE R110/L – TESTING PROCEDURES .................................................................11
  L1 Minimum Frequency of Testing.................................................................11

ANNEXURE R110/M – REFERENCED DOCUMENTS.................................................12

LAST PAGE OF THIS DOCUMENT IS .................................................................12

FOREWORD

RMS COPYRIGHT AND USE OF THIS DOCUMENT

Copyright in this document belongs to Roads and Maritime Services.

When this document forms part of a deed

This document should be read with all the documents forming the Project Deed.

When this document does not form part of a deed

This copy is not a controlled document. Observe the Notice that appears on the first page of the copy controlled by RMS. A full copy of the latest version of the document is available on the RMS Internet website: http://www.rms.nsw.gov.au/business-industry/partners-suppliers/specifications/index.html

BASE SPECIFICATION

This document is based on Specification RMS R110 Edition 2 Revision 2.
RMS SPECIFICATION D&C R110
COLOURED SURFACE COATINGS
FOR BUS LANES AND CYCLEWAYS

1 GENERAL

1.1 SCOPE

This Specification sets out the requirements for the application of coloured surface coatings for bus lanes and cycleways.

The work to be executed under this Specification consists of:
(a) preparation of the existing surface;
(b) selection and supply of constituent materials including design of application rates; and
(c) application of the coloured surface coating including the application of priming materials.

The use of thermoplastic binders is not within the scope of this specification nor are paints, either solvent or water based.

Coloured surface coatings supplied under this Specification must be suitable for use on pavement designated as Bus Lane or Cycleway which may also be trafficked by other vehicles and pedestrians.

1.2 STRUCTURE OF THE SPECIFICATION

This Specification includes a series of annexures that detail additional requirements.

1.2.1 Details of Work

The areas for application of the coloured surface coatings will be shown on the Design Documentation Drawings.

1.2.2 (Not Used)

1.2.3 Schedules of HOLD POINTS, WITNESS POINTS and Identified Records

The schedules in Annexure R110/C list the HOLD POINTS and WITNESS POINTS that must be observed. Refer to Specification RMS D&C Q6 for the definitions of HOLD POINTS and WITNESS POINTS.

The records listed in Annexure R110/C are Identified Records for the purposes of RMS D&C Q6 Annexure Q/E.

1.2.4 Planning Documents

The PROJECT QUALITY PLAN must include each of the documents and requirements listed in Annexure R110/D and must be implemented.
Each technical procedure must stipulate clearly, concisely and accurately those instructions which are necessary to carry out the particular operation or activity. Each inspection and test plan must also be prepared to facilitate verification that the coloured surface coating complies with specified requirements and that the procedure is being implemented in accordance with the PROJECT QUALITY PLAN.

1.2.5 Referenced Documents and Definitions

Standards, specifications and test methods are referred to in abbreviated form (e.g. AS 1234). For convenience, the full titles are given in Annexure R110/M.

The terms “you” and “your” mean “the Contractor” and “the Contractor’s” respectively.

2 MATERIALS

2.1 GENERAL

Materials used in the work must be equal in quality to the sample tested for the purpose of design.

Provide representative samples of constituent materials to the Project Verifier. Supply also Safety Data Sheets (SDS) for the cleaning materials, priming materials, binder, binder components, aggregate and aggregate coating proposed for use in the work.

2.2 AGGREGATE

2.2.1 General

Aggregate must consist of clean, dry, hard, tough, durable, moderately sharp grains of either natural stone or synthetic material, of uniform quality, free from dust, dirt and other deleterious matter. For systems where the binder is moisture sensitive (e.g. urethanes), the aggregate must be kept dry, and stored and transported under cover at all times, unless otherwise specified in the PROJECT QUALITY PLAN.

2.2.2 Nominal Size

The aggregate must be a one-sized aggregate of nominal size 3 mm. The aggregate must have a minimum 95% passing 3.35 mm sieve and a maximum 5% passing 1.18 mm sieve.

2.2.3 Colour

The colour of the aggregate applied must be an approximate match in accordance with AS/NZS 1580.601.1 to the following colours:

(a) for Bus Lanes: one of Australian Standard Red colours of AS 2700S listed in Clause 7.4;
(b) for Cycleways: one of Australian Standard Green colours of AS 2700S listed in Clause 7.4.

Aggregate may be coated with coloured polymer resin to facilitate compliance with colour specifications detailed in this clause and Clause 7.4.
2.3 **PIGMENTED BINDER SYSTEM**

The binder must be a two or more component thermosetting resin suitably pigmented to provide the necessary depth of specified colour in the finished surface coating, and provide adhesion to aggregate and substrate.

At the time of mixing and application to the pavement surface, the binder must have a sufficient pot life to facilitate the application of a uniform thickness of coating and achieve adhesion to pavement and aggregate under the prevailing ambient temperatures.

2.4 **PRIMING MATERIALS**

Apply priming materials to the pavement surface prior to the application of the coloured surface coating, if recommended by the manufacturer.

2.5 **SAMPLING AND TESTING**

All materials used in the work must be sampled and tested to verify conformity to the requirements of this Specification and the PROJECT QUALITY PLAN.

The PROJECT QUALITY PLAN must nominate the proposed testing frequency which must not be less than that specified in Annexure R110/L. Where a minimum frequency is not specified, nominate an appropriate frequency in the PROJECT QUALITY PLAN.

Binder thickness may be measured during application. All other tests including Test Method RMS T231 must be performed between 1 month and 12 months from application.

3 **DESIGN OF COLOURED SURFACE COATINGS**

Coloured surface coatings must be resistant to spillage of petroleum or oil droppings. The coloured surface coatings must be capable of withstanding normal street cleansing operations, including brooming.

Coloured surface coatings and all components thereof must be free from lead and be stable to prolonged ultraviolet radiation exposure.

Design the coloured surface coating in accordance with the supplier’s recommendations for the specified application. The design is referred to as the “Nominated Design”.

The Nominated Design must include the following details:

(a) Cleaning and priming materials (if the system uses a primer) - type, source and method of application;

(b) Application rates of binder, priming materials (if the system uses a primer) and aggregate including tolerances;

(c) Explicit coating rate of top coat coloured binder in the case of systems using low viscosity binders ($< 3 \text{ Pa.s}$), e.g. acrylic;

(d) Aggregate - source, geological type, nominated particle size distribution and manufacturing process;

(e) Binder - type and source, manufacturer’s specification, curing time/thermal characteristics;
(f) Colour - pigment type.

To vary the Nominated Design, submit a new Nominated Design in accordance with this clause.

### HOLD POINT

<table>
<thead>
<tr>
<th>Process Held:</th>
<th>Application of coloured surface coating to pavement.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submission Details:</td>
<td>Details of Nominated Design, together with certification for the nominated materials and design verification documentation, at least seven days prior to commencement of the work.</td>
</tr>
<tr>
<td>Release of Hold Point:</td>
<td>The Nominated Authority will consider the submitted documents prior to authorising the release of the Hold Point.</td>
</tr>
</tbody>
</table>

### 4 SURFACE PREPARATION

Clean and prepare the pavement surface prior to applying the coloured surface coating. Comply with the requirements of Specification RMS D&C G36 when carrying out the cleaning operations.

Detail in the PROJECT QUALITY PLAN the arrangements for removal and disposal of loose and foreign materials and treatment of cracks. Evaluate the cleanliness and suitability of the surface according to the criteria documented by the binder manufacturer, and if necessary take steps such as cleaning and priming to improve the suitability of the surface.

Protect the primed road surface from contamination and trafficking prior to application of the binder.

Notify the Project Verifier of existing pavement condition that may adversely affect the quality of the Works at least 7 days prior to the commencement of work.

### WITNESS POINT

<table>
<thead>
<tr>
<th>Process Witnessed:</th>
<th>Preparation of surface.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submission Details:</td>
<td>Written notice to the Nominated Authority at least seven days prior to commencement of preparation of surface, for each location.</td>
</tr>
</tbody>
</table>

### 5 APPLICATION OF COLOURED SURFACE COATINGS

#### 5.1 GENERAL

Coloured surface coatings must comprise a continuous application over the specified area. Bars and stripes of coloured surface coating are not permitted unless otherwise specified or required by the Design Documentation.

Target the Nominated Design and control the process to achieve:

(a) uniform application of binder and aggregate in accordance with the Nominated Design with adequate adhesion to the underlying surface;
Coloured Surface Coatings for Bus Lanes and Cycleways

5.2 PLANT AND EQUIPMENT

Provide all the plant and equipment necessary for carrying out the work in accordance with this Specification.

Remove from the work any plant or equipment not fully operational or not in a satisfactory condition for carrying out work in accordance with this Specification.

Include in the PROJECT QUALITY PLAN details of the plant and equipment and methods to be used for the application of coloured surface coatings.

5.3 PROTECTION OF WORK

Provide arrangements for traffic management in accordance with Specification RMS D&C G10.

Take all necessary precautions to protect the work from damage, until such time as when the new surfacing has developed sufficient strength to carry normal traffic without damage.

5.4 PAVEMENT TEMPERATURE AND WEATHER CONDITIONS

Measure and record ambient air and pavement temperatures at regular intervals during conduct of the work. For this purpose, use a suitable thermometer or temperature gauge, accurate to ± 2°C. Time intervals between temperature measurements must not exceed two hours. In the case of urethanes, use a wet/dry bulb hygrometer to report the dew-point or relative humidity.

If the work is performed in daylight hours and the pavement is partly in sun and partly in shade, the cooler shade temperature will determine the cure of the whole work, and this temperature must be monitored.

Do not carry out the application of coloured surface coating on a wet pavement, when rain appears imminent or during high winds or dust storms.

5.5 APPLICATION OF BINDER

Apply binder in a uniform thickness(es) and at a rate(s) in accordance with the Nominated Design. The work area must be divided into a suitable number of Lots.
For low viscosity binders such as acrylics, place an additional application after the aggregate is broadcast.

After each application of binder to each Lot, check the quantity of material used against the area covered and make any necessary adjustments to ensure that the specified or agreed rate of application is maintained in subsequent applications. Detail in the PROJECT QUALITY PLAN the method to determine the actual binder application rate.

### 5.6 APPLICATION OF AGGREGATE

Apply aggregate at a uniform rate. Ensure that aggregate is adequately embedded in the binder.

The aggregate must be dry at the time of application.

After the application of the binder and aggregate, allow a period of curing equal to at least the minimum time recommended by the binder manufacturer, before the area is opened to traffic. During this curing period, keep traffic off the treated surface.

Any bare or insufficiently covered areas must be re-covered as necessary to give a uniform and complete surface coverage within the specified time.

After the application of aggregate to each Lot, check the quantity of material used against the area covered and make any necessary adjustments to ensure that the specified or agreed rate of application is maintained in subsequent applications. Describe in the PROJECT QUALITY PLAN the method to determine the actual aggregate spread rate.

### 5.7 CLEAN UP OF WORK

Immediately following application of the coloured surface coating, remove all masking material together with any adhering binder or aggregate. During the curing time, ensure that no contamination, disturbance or trafficking of the coated surface occurs. After initial curing, remove excess aggregate by a vacuum sweeper or equivalent means. Describe in the PROJECT QUALITY PLAN the method, timing of removal and traffic control to protect persons and property.

When the aggregate has been evenly applied and the binder has cured, remove any remaining aggregate spread in excess of the specified or ordered rate from the pavement surface prior to opening to traffic.

Continue removing loose aggregate from the covered area and/or its proximity until the surfacing is no longer losing any aggregate.

### 5.8 PROTECTION OF SERVICES AND ROAD FIXTURES

Take all necessary precautions to prevent binder, aggregate or other materials used on the work from entering or adhering to structures such as gratings, hydrants or valve boxes, man-hole covers, bridge or culvert decks, kerbs and gutters, etc.

### 5.9 SURPLUS AND WASTE MATERIALS

Surplus materials and all empty containers remaining after Construction Completion will become your property and you must remove them from the site. Describe in the PROJECT QUALITY PLAN the method for the removal and disposal of surplus and waste materials.
Leave the work area in a neat and tidy condition.

5.10 WORK RECORD

Record and verify details of the work performed and make available to the Project Verifier on the same day the work is performed. The location, width, area, application rates of binder, priming material and aggregate together with details of the temperature/s must be recorded immediately after completion of each Lot.

WITNESS POINT

<table>
<thead>
<tr>
<th>Process Witnessed:</th>
<th>Measurement of areas, binder and aggregate application rates.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submission Details:</td>
<td>At least two working days written notice to the Nominated Authority of intention to apply coloured surfacing, for each location.</td>
</tr>
</tbody>
</table>

6 MAINTENANCE AFTER CONSTRUCTION COMPLETION

Maintain the work for twelve (12) calendar months from the Date of Construction Completion.

During the first 12 months after the Date of Construction Completion, maintain the coloured surface coating to achieve conformity with the requirements of this specification provided that you will not be responsible for deterioration or damage which is not within your control.

Carry out removal of loose aggregate as set out in Clause 5.7.

7 FINISHED SURFACING PROPERTIES

7.1 SURFACE TEXTURE

Measure the surface texture of the coloured surface coating in accordance with Test Method RMS T240 or T192. The frequency of testing must be in accordance with Annexure R110/L.

During the first 12 months after the Date of Construction Completion, the surface texture must be a minimum of 0.6 mm.

7.2 FRICTIONAL CHARACTERISTICS

When subjected to simulated trafficking by AS 1141.41 and assessed for frictional properties by AS 1141.42, the Polished Aggregate Friction Value (PAFV) test, the PAFV of a system panel prepared with the same materials, at the same thickness and by the same techniques as proposed for the Works, must not be less than the minimum value specified in the Design Documentation.

If the proposed coloured surface coating includes a second coat of binder to be applied over the aggregate, prepare the system panel for PAFV accordingly. For aggregates which are not rolled after broadcasting and are held by a thermosetting binder, there must not be any requirement to form a mosaic by hand and AS1141.42 7.2(b) does not apply.
Determine the frictional characteristics of the coloured surface coating in accordance with the RMS T231. Perform testing 2 to 4 weeks after the coating application. The minimum Skid Resistance Value (SRV) measured in units of British Pendulum Number (BPN) must not be less than 55. The frequency of testing must be in accordance with Annexure R110/L.

7.3 **DELAMINATION AND RAVELLING**

During the first 12 months after the Date of Construction Completion, rectify all delamination and ravelling.

At any time during the first 12 months after the Date of Construction Completion, the area of the work which has delaminated or ravelled must not exceed 1% in any square metre and 0.1% of the total area of the work.

7.4 **COLOUR**

Bus lanes must be an approximate match to any one of the following standard red colours in accordance with Australian Standard AS 2700S:

- R 62 Venetian Red
- R 54 Raspberry
- R 53 Redgum

Cycleways must be an approximate match to any one of the following standard green colours in accordance with Australian Standard AS 2700S:

- G 13 Emerald
- G 16 Traffic green
- G 23 Shamrock

Determine the approximate match of colour in accordance with AS/NZS 1580.601.1.

During the first 12 months after the Date of Construction Completion, the colour of the surfacing must remain recognisably red or green and be an approximate match to the initial colour. If the assessment or measurement is performed on an area cleaned for the purpose of assessment, the whole of the work must be so cleaned.

You may propose a colour assessment procedure as an alternative to what is specified, i.e. using instrumental determination of colour coordinates and/or colour differences to AS/NZS 1580.601.2 and AS/NZS 1580.601.3. The proposed procedure must provide detailed information on the measuring devices/equipment, and criteria for colour assessment to verify conformity with this Specification. Acceptance of such a proposal is at the absolute discretion of the RMS Representative.

7.5 **NONCONFORMITY**

Rectify or replace any section or area of coloured surface coating that fails to achieve conformity to this Specification, initially or during the first 12 months after the Date of Construction Completion.

Replace with conforming materials any materials removed during the rectification work.
ANNEXURES R110/A TO R110/B – (NOT USED)

ANNEXURE R110/C – SCHEDULES OF HOLD POINTS, WITNESS POINTS AND IDENTIFIED RECORDS

Refer to Clause 1.2.3.

C1 SCHEDULE OF HOLD POINTS AND WITNESS POINTS

<table>
<thead>
<tr>
<th>Clause</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.0</td>
<td>Hold</td>
<td>Submission of details for Nominated Design</td>
</tr>
<tr>
<td>4.0</td>
<td>Witness</td>
<td>Preparation of surface</td>
</tr>
<tr>
<td>5.10</td>
<td>Witness</td>
<td>Measurement of application rates</td>
</tr>
</tbody>
</table>

C2 SCHEDULE OF IDENTIFIED RECORDS

The records listed below are Identified Records for the purposes of RMS D&C Q6 Annexure Q/E.

<table>
<thead>
<tr>
<th>Clause</th>
<th>Description of Identified Record</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Details of the Nominated Design</td>
</tr>
<tr>
<td>5.10</td>
<td>Work records</td>
</tr>
</tbody>
</table>
ANNEXURE R110/D – PLANNING DOCUMENTS

Refer to Clause 1.2.4.

The following documents are a summary of documents that must be included in the PROJECT QUALITY PLAN. The requirements of this Specification and others included in the Project Deed must be reviewed to determine additional documentation requirements.

(a) Safety Data Sheets for all constituent materials (Clause 2.1);
(b) Constituent Materials: Details for each of the nominated materials (Clause 2.1);
(c) Testing frequency (Clause 2.5);
(d) Nominated application rates (Clause 3);
(e) Arrangements for the removal of loose and foreign materials from the existing pavement surface if any, and a statement that the pavement is considered suitable for coating (Clause 4);
(f) Details of the plant and equipment and methods to be used for coloured surface coatings and the application and storage temperatures recommended by the manufacturer of the binder (Clause 5.2);
(g) Method to determine the actual binder application rate (Clause 5.5);
(h) Method to determine the actual aggregate spread rate (Clause 5.6);
(i) Method, timing of removal of loose aggregate and traffic control to protect persons and property (Clause 5.7);
(j) Method for the removal of surplus and waste materials (Clause 5.9);
(k) Documented evidence of prior use and longevity for similar applications of the proposed coloured surface coating to no less than 6 years in heavily trafficked areas.

ANNEXURES R110/E TO R110/K – (NOT USED)
ANNEXURE R110/L – TESTING PROCEDURES

L1 MINIMUM FREQUENCY OF TESTING

Attention is drawn to the requirements of RMS D&C Q6 in respect of limits on Lot size. In addition, Lot size must not exceed the area surfaced in one shift or one site.

<table>
<thead>
<tr>
<th>Clause</th>
<th>Characteristic Analysed</th>
<th>Test Method</th>
<th>Minimum Frequency of Testing</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.3</td>
<td>Binder Thickness</td>
<td>In accordance with your written procedure</td>
<td></td>
</tr>
<tr>
<td>7.1</td>
<td>Surface Texture</td>
<td>RMS T240</td>
<td>One per Lot</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RMS T192</td>
<td></td>
</tr>
<tr>
<td>7.2</td>
<td>Surface Friction</td>
<td>RMS T231</td>
<td>2 per 50 m²</td>
</tr>
<tr>
<td>7.3</td>
<td>Delamination and Ravelling</td>
<td>In accordance with your written procedure</td>
<td></td>
</tr>
<tr>
<td>7.4</td>
<td>Colour</td>
<td>AS 1580.601.1</td>
<td>One per Lot</td>
</tr>
</tbody>
</table>
ANNEXURE R110/M – REFERENCED DOCUMENTS

Refer to Clause 1.2.5.

RMS Specifications

RMS D&C G10   Traffic Management
RMS D&C G36   Environmental Protection
RMS D&C Q6   Quality Management System (Type 6)

RMS Test Methods

RMS T192   Determination of the Texture Depth of Road Surfacing by the TRL Mini Texture Meter
RMS T231   Frictional Resistance by Pendulum Tester
RMS T240   Texture Depth of Coarse Textured Road Surfaces

Australian Standards

AS 1580   Paints and related materials – Methods of test
AS 1580.601.1   Colour – Visual comparison
AS 1580.601.2   Colour – Principles of colour measurement
AS 1580.601.3   Colour – Methods of colour measurement
AS 2700S   Colour standards for general purpose
AS 1141   Methods for sampling and testing aggregates
AS 1141.41   Polished aggregate friction value – Horizontal bed machine
AS 1141.42   Pendulum friction test