

Roads

Master Specification

RD-BP-D3 – Surface Characteristic Spray Seals

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RD-BP-D3 Surface Characteristics Spray Seals

1 General

- 1.1 This Part applies to pavements with sprayed bituminous surfacing or resurfacing and specifies the surface characteristics that the Contractor shall achieve and the requirements for the measurement and reporting of these characteristics.
- 1.2 This Part only applies to the following characteristics:
 - a) aggregate removal;
 - b) aggregate retention; and
 - c) surface texture.
- 1.3 For any requirements relating to surface roughness, refer to RD-BP-D4 "Surface Characteristics – Roughness".
- 1.4 Compliance with requirements specified elsewhere in this Specification does not relieve the Contractor of the obligation to comply with the requirements of this Part.
- 1.5 The definitions in "AUSTROADS Guide to Selection of Road Surfacing" apply to this Contract.

2 Properties of the Surface

- 2.1 The Contractor shall construct a surface which:
 - a) has minimal loose aggregate to reduce the potential for accidents and vehicle damage;
 - b) retains aggregate after application to provide skid resistance and prevent water from entering and weakening the pavement; and
 - c) has a surface texture to optimise contact between the road surface and tyres and provide a skid resistant surface.

3 Acceptance Criteria

- 3.1 Seals and primer seals shall comply with the acceptance criteria for Removal of Loose Aggregate, Retention of Aggregate and Surface Texture specified in RD-BP-C5 "Application of Sprayed Bituminous Surfacing".
- 3.2 Further to Clause PC-QA1.4 "Definitions", a lot shall be the lesser of 500 m or a homogenous spray run. Aprons, turning lanes, and other minor spray work shall be deemed as separate lots.
- 3.3 Where the work is a reseal, the Contractor may undertake testing to verify information supplied by the Principal prior to commencement of work.

4 Rectification Work

- 4.1 If there is a non-compliance with the requirements of this part, the Contractor shall promptly undertake rectification of the non-compliance. The Contractor shall provide the following information:
 - a) date non-conforming work was identified;
 - b) date rectification work was undertaken;
 - c) full details and description of rectification work; and
 - d) verification records.
- 4.2 If the road is becoming unsafe for road users, rectification shall be carried out within 24 hours of identification of problem. This includes the situation where bleeding bituminous material could be picked up by traffic or there is excessive loose stone on the surface (as determined in accordance with RD-BP-C5 "Application of Spray Sealing").

- 4.3 If conditions are gradually deteriorating, rectification shall be carried out within 30 days of identification of problem.

5 Test Procedures

- 5.1 The Contractor shall use the following test procedures (refer https://www.dpti.sa.gov.au/contractor_documents) to verify conformance with the Specification:

Table RD-BP-D3 5-1 Test Procedures

Test	Test Procedure
Determination of Average Texture Depth of a Pavement Surface by the Sand Patch Method	TP 346