

# Master Specification

## Part RD-BP-C9

### Texture Restoration of Sealed Roads

September 2024



**Government of South Australia**  
Department for Infrastructure  
and Transport

**Build.**  
**Move.**  
**Connect.**

## Document Information

Document Information	
K Net Number:	13506212
Document Version:	1
Document Date:	30/09/2024

## Document Amendment Record

Version	Change Description	Date
0	Initial issue	31/08/2023
1	Updated cover page	30/09/2024

## Document Management

This document is the property of the Department and contains information that is confidential to the Department. It must not be copied or reproduced in any way without the written consent of the Department. This is a controlled document and it will be updated and reissued as approved changes are made.

# Contents

Contents	3
RD-BP-C9 Texture Restoration of Sealed Roads	4
1 General	4
2 Documentation	4
3 Performance standards	4
4 Environmental management requirements	5
5 Verification requirements and records	5

---

# RD-BP-C9 Texture Restoration of Sealed Roads

## 1 General

- a) This Master Specification Part sets out the requirements for the restoration of surface texture on sealed roads by improving the texture depth of the seal with the removal of excessive binder on the surface, including:
  - i) the documentation requirements, as set out in section 2;
  - ii) the performance standards, as set out in section 3;
  - iii) the environmental management requirements, as set out in section 4; and
  - iv) the verification requirements and records, as set out in section 5.
- b) The texture restoration of sealed roads must comply with the Reference Documents, including:
  - i) Department Test Procedure TP346 Determination of Average Texture Depth of a Pavement Surface Using the Sand Patch Method (available from: [https://dit.sa.gov.au/standards/test\\_procedures](https://dit.sa.gov.au/standards/test_procedures)); and
  - ii) Department Test Procedure TP348 Determination of Pavement Surface Roughness Using the Laser Profiler (available from: [https://dit.sa.gov.au/standards/test\\_procedures](https://dit.sa.gov.au/standards/test_procedures)).
- c) Treatments for removing excess binder and restoring texture must be either:
  - i) high pressure water blasting; or
  - ii) solvent applications.

## 2 Documentation

### 2.1 Construction Documentation

In addition to the requirements of PC-CN3 “Construction Management”, the Construction Documentation must include documents, procedures, and instructions for the surface texture restoration of sealed roads, including:

- a) a detailed procedure and documentation for the treatment processes to be used to achieve the requirements of this Master Specification Part; and
- b) proposed classification of the existing pavement surface type and size as required by section 3b).

### 2.2 Quality Management Records

In addition to the requirements of PC-QA1 “Quality Management Requirements” or PC-QA2 “Quality Management Requirements for Major Projects” (as applicable), the Quality Management Records must include the verification records as required by section 5.

## 3 Performance standards

- a) The Contractor must ensure that at the completion of surface texture restoration treatment Works, the surface texture depth complies with the requirements set out in Table RD-BP-C9 3-1.
- b) The Contractor must include the proposed classification of the existing pavement surface type and size in the Construction Documentation.
- c) The Contractor must ensure that, as part of the surface texture restoration treatment works, only binder is removed and that no damage to the road occurs, including:

- i) no more than 10% of stone is dislodged from any square metre of treated surface; and
- ii) removal of the surfacing and scouring of underlying pavement layers.

**Table RD-BP-C9 3-1 Texture depth**

Existing surface	Minimum texture depth (mm)	Maximum texture depth (mm)
7 mm spray seal, 10/5 seal, slurry, micro surfacing	1.0	1.7
Cape seal	1.0	2.0
Dense mix asphalt	0.3	0.6
SMA	0.7	1.2
10 mm spray seal, 14/7, 16/7 seal,	1.2	2.0
Open grade asphalt	1.0	1.5
14 mm or 16 mm spray seal	1.4	2.4

## 4 Environmental management requirements

In undertaking the surface texture restoration works, the Contractor must comply with the requirements of PC-ENV1 “Environmental Management”.

## 5 Verification requirements and records

- a) The Contractor must supply written verification as part of the Quality Management Records that the requirements listed in Table RD-BP-C9 5-1 have been complied with. This must include:
  - i) details of the type and size of the existing surface treatment;
  - ii) the texture depth achieved at each test site and the location of each test site in terms of lane designation;
  - iii) offset from edge line; and
  - iv) distance from nearest maintenance marker.
- b) For testing purposes, Work Lots must be limited to individual lanes and the area of each Work Lot must be defined as the lesser of:
  - i) the area treated within each lane; or
  - ii) 400 m<sup>2</sup> of treated lane.

**Table RD-BP-C9 5-1 Verification requirements**

Subject	Property	Test Procedure	Frequency	Acceptable limits
Surface texture	Texture depth	TP348	Continuous, reported as mean value in each wheel path per Work Lot	Refer Table RD-BP-C9 3-1
Surface texture	Texture depth	TP346	2 tests per Work Lot <sup>(1)</sup>	Refer Table RD-BP-C9 3-1

**Table notes:**

(1) Where both wheel paths are treated, one test in each wheel path must be undertaken.