

Main Roads Specification

MRS13

Bituminous Slurry Surfacing

June 09

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FEEDBACK

Your feedback is welcomed. Please send to mr.techdocs@tmr.qld.gov.au.

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Bituminous Slurry Surfacing

1 INTRODUCTION

This Specification applies to the manufacture and laying of a bituminous emulsion/aggregate slurry road surfacing system. Two systems are covered by this Specification –

- a) Slurry seal; and
- b) Micro-surfacing.

This Specification shall be read in conjunction with MRS01 *Introduction to Specifications* and other Specifications as appropriate.

This Specification forms part of the Main Roads Specifications and Technical Standards Manual.

2 MEASUREMENT OF WORK

2.1 Standard Work Items

In accordance with the provisions of Clause 2 of MRS01 *Introduction to Specifications*, the standard work items covered by this Specification are listed in Table 2.1.

Table 2.1 – Standard Work Items

Standard Item No.	Description	Unit of Measurement
Bituminous Slurry Surfacing		
5301	Preparation of existing surface.	m ²
5311	Bituminous slurry seal, QS3.	m ³
5312	Bituminous slurry seal, QS5.	m ³
5313	Bituminous slurry seal, QS7.	m ³
5314	Bituminous slurry micro-surfacing, QS5.	m ³
5315	Bituminous slurry micro-surfacing, QS7.	m ³
5316	Bituminous slurry micro-surfacing, QS10.	m ³
5317	Bituminous slurry rut-filling.	m ³

2.1.1 Work Operations

Item 5301 Preparation of existing surface.

Work Operations incorporated in the above item include –

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*;
- b) Setting out;
- c) Surface cleaning;
- d) Protection of Services;
- e) Surface defects preparation;
- f) Tack coat application; and
- g) Water fog coat application.

Item 5311 Bituminous slurry seal, QS3.

Item 5312 Bituminous slurry seal, QS5.

Item 5313 Bituminous slurry seal, QS7.

Item 5314 Bituminous slurry micro-surfacing, QS5.

Item 5315 Bituminous slurry micro-surfacing, QS7.

Item 5316 Bituminous slurry micro-surfacing, QS10.

Item 5317 Bituminous slurry rut-filling.

Work Operations incorporated in the above items include –

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*;
- b) Being an approved manufacturer or engaging a subcontractor who is an approved manufacturer of the relevant nominal size of bituminous slurry;
- c) Supply and delivery of all materials;
- d) Manufacture of the bituminous slurry in accordance with the approved mix design; and
- e) Laying and finishing the bituminous slurry treatments.

2.1.2 Allocation of Item Numbers

Specific Item Numbers used in the Schedule of Rates for this Contract shall be deemed to represent the work associated with the particular reference locations, and treatment codes where applicable, stated in Clauses 1, 2 and 3 of Annexure MRS13.1.

2.1.3 Method of Measurement

2.1.3.1 Preparation of the Existing Surface

The preparation of the existing surface shall be measured as the area over which the slurry surfacing is laid.

2.1.3.2 Slurry Treatments

The quantity of slurry surfacing shall be measured by volume of dry mineral aggregate (not including filler) used in completing the works.