

SECTION 310 - PREPARATION OF GRANULAR PAVEMENTS FOR BITUMINOUS SURFACING

~~##This section cross-references Section 175.~~

~~If Section 175 is relevant, it should be included in the specification.~~

~~If Section 175 is not included in the specification, all references to it should be struck out, ensuring that the remaining text is still coherent. DELETE THIS NOTE FROM FINAL DOCUMENT:~~

310.01 DESCRIPTION

This section covers the requirements for preparation of unbound granular pavements, including in situ cementitious and bituminous stabilised pavements, for sprayed bituminous surfacing or asphalt surfacing.

310.02 PAVEMENT PREPARATION

The Contractor shall prepare for bituminous surfacing the lengths, widths and areas specified or shown on the drawings for bituminous surfacing plus an additional 0.3 m on sides where there is no concrete edging. The surface of the shoulders and verges shall be matched to the finished surface of the prepared pavement.

Construction practices that produce a slurry or pasting of fine material at the surface are not permitted.

The addition of fine material to the surface is not permitted.

~~Where the Superintendent Council considers the prepared surface to have excessive fines, the pavement layer shall be rectified to a condition acceptable to the Superintendent Council.~~

The pavement shall be prepared to produce a surface that is:

- (a) constructed to meet specified shape and level requirements
- (b) homogenous and consistent with the material in the pavement base layer
- (c) uniform in texture
- (d) free of tearing and scabbing
- (e) free of lamination on or within 75 mm of the finished surface
- (f) level with adjacent sealed areas and edgings at the joints
- (g) a hard dense and tight surface capable of being swept with a rotary road broom or similar
- (h) free of loose and foreign materials
- (i) dried back to the moisture content and embedment requirements specified in Clause 310.03.

Any imperfections as listed above shall be corrected in a manner acceptable to ~~the Superintendent Council~~. Where this involves the re-working of the material, the full layer depth shall be re-worked.

The total area of the work shall be presented to ~~the Superintendent Council~~ for acceptance for surfacing as one lot.

310.03 DRYING BACK OF PAVEMENT BASE PRIOR TO BITUMINOUS SURFACING

(a) Pavement Dryback

The uppermost pavement layer after preparation of the surface and prior to priming or primersealing shall be allowed to dry back so the moisture content of the layer meets the requirements of Table 310.031 for each test lot.

The mean Moisture Ratio shall be determined from six randomly selected sites as a percentage of the optimum moisture content based on Modified compactive effort, and determined in accordance with VicRoads Test Method RC 316.14 - *Moisture Ratio Determination for Assessment of Dry-Back of Granular Pavement Materials*, as listed in Section 175.

(b) Pavement Embedment

Pavement embedment shall be assessed by Ball Penetration testing when required as detailed in Table 310.031. Ball Penetration testing shall be undertaken on the prepared surface in accordance with Austroads test method AG:PT/T251 - Ball Penetration Test at six randomly selected sites. No individual test result shall exceed the maximum penetration detailed in Table 310.031.

Table 310.031 Requirements for Pavement Dryback and Embedment

Testing Scale	Pavement Dryback		Pavement Embedment
	Mean Moisture Ratio	Maximum of any individual result	Ball Penetration Maximum individual result
A	Less than 60%	70%	3 mm
B	Less than 60%	70%	Not required
	Less than 65%	70%	3 mm
C	Less than 65%	70%	Not required

(c) Testing Schedule

The Contractor shall carry out testing for pavement dryback and embedment in accordance with Table 310.032.

The maximum lot size to be presented for testing under this provision shall be 4000 m², and testing shall be undertaken no more than 24 hours before priming or primersealing. Test sites for assessing conformance with Table 310.031 shall be selected in accordance with VicRoads Test Method RC316.10 – *Selection of Test Sites* as listed in Section 175. Where both dryback and embedment testing are required, both tests shall be undertaken at the same test site within the same square metre.

Where the pavement moisture content has increased during the period between dryback testing and the proposed time of bituminous surfacing, the Superintendent Council may require pavement dryback and embedment to be reassessed in accordance with this clause.

*** **Table 310.032 Testing Schedule for Pavement Dryback and Embedment**

Road	Location/Chainage	Testing Scale
All roads		B

310.04 MAINTENANCE PRIOR TO BITUMINOUS SURFACING

Following the acceptance of the prepared surface and until bituminous surfacing is completed, the Contractor shall maintain the pavement in the accepted condition until surfacing works are completed. Should the pavement condition deteriorate before surfacing works are completed, the Contractor shall re-prepare the pavement and re-present the pavement for acceptance.