

Main Roads Specification

MRS57

Geotextiles for Paving Applications

June 09

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FEEDBACK

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Geotextiles for Paving Applications

1 INTRODUCTION

This Specification applies to the physical, material and construction requirements for geotextiles used in paving applications.

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 |
|--|---|---------------------|
| Geotextiles for Paving Applications | | |
| 5151 | Supply of Geotextile [grade] g/m ² . | m ² |
| 5152 | Transport of material supplied by the Principal [material], from [supply location]. | m ² |
| 5153 | Placement of Paving Geotextile [nominal weight] g/m ² . | m ² |

2.2 Work Operations

Item 5151 Supply of Geotextile [grade] g/m².

Work Operations incorporated in the above item include –

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*;
- b) Supply of geotextile;
- c) Loading, hauling, delivery and storage out of direct sunlight of geotextile and such that water does not enter the geotextile(s); and
- d) Associated material compliance testing.

Item 5152 Transport of material supplied by the Principal [material], from [supply location].

Work Operations incorporated in the above item include –

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*;
- b) Transport of material from the point of supply by the Principal to the Site or other location as set out in the Principal Supplied Material List (Form C6827); and
- c) Storage of material out of direct sunlight.

Item 5153 Placement of Paving Geotextile [nominal weight] g/m².

Work Operations incorporated in the above item include –

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*;
- b) Preparation of the surface prior to placement of geotextile;
- c) Dispensing and placement of geotextile;
- d) Rolling of geotextile; and
- e) Removal and disposal of excess material from the Site.

3 BITUMEN AND BITUMINOUS SURFACINGS

Bitumen emulsions shall not be used in any part of the construction of a geotextile reinforced seal or asphalt interlayer. This includes the tack coat and the bitumen sprayed on top to complete the geotextile reinforced seal or asphalt interlayer.

Cutback bitumen shall not be used for the tack coat. Cutback bitumen shall comply with MRS20 *Cutback Bitumen*,

Sprayed bituminous surfacings shall comply with MRS11 *Sprayed Bituminous Surfacing (Excluding Emulsions)*, MRS22 *Supply of Cover Aggregate* and other relevant Technical Standards.

Cover aggregate, if used, shall comply with MRS11 *Sprayed Bituminous Surfacing (Excluding Emulsions)*, MRS22 *Supply of Cover Aggregate* and other relevant Technical Standards.

Bitumen, bituminous surfacing and cover aggregate, if used, shall be specified (e.g. via work items) under the abovementioned specifications.

Notwithstanding the above this Technical Standard takes precedence and bitumen and bituminous surfacings shall also comply with this specification.