

Superseded

**Specification (Measurement)**

**Transport and Main Roads Specifications  
MRS104 Retarding Pavement Reflective Cracking using  
Asphalt Geosynthetics**

**January 2018**

Superseded

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## 1 Introduction

This Specification applies to the physical, material and construction requirements for Retarding Pavement Reflective Cracking using Asphalt Geosynthetics.

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

This Specification forms part of the Transport and Main Roads Specifications 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. The measured quantity for payment shall be the area installed excluding laps and joints.

**Table 2.1 – Standard Work Items**

Standard Item No.	Description	Unit of Measurement
<b>Retarding Pavement Reflective Cracking using Asphalt Geosynthetics</b>		
43901	Supply of Asphalt Geosynthetic Material [ <i>Polymeric Geogrid   Glass Fibre Geogrid   Geocomposite</i> ]	m <sup>2</sup>
43902	Transport Asphalt Geosynthetic Material supplied by the Principal [ <i>Polymeric Geogrid   Glass Fibre Geogrid   Geocomposite</i> ], from [ <i>supply location</i> ]	m <sup>2</sup>
43903	Placement of Asphalt Geosynthetic Material [ <i>Polymeric Geogrid   Glass Fibre Geogrid   Geocomposite</i> ]	m <sup>2</sup>

### 2.2 Work Operations

#### **Item 43901 Supply of Asphalt Geosynthetic Material [*Polymeric Geogrid | Glass Fibre Geogrid | Geocomposite*]**

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 Asphalt Geosynthetic Material [*Polymeric Geogrid | Glass Fibre Geogrid | Geocomposite*] including allowance for lapping and joining
- c) loading, hauling, delivery and storage out of direct sunlight of Asphalt Geosynthetic material and such that water does not enter the geosynthetic material(s), and
- d) associated material compliance testing.

#### **Item 43902 Transport Asphalt Geosynthetic Material supplied by the Principal [*Polymeric Geogrid | Glass Fibre Geogrid | Geocomposite*], 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 43903      Placement of Asphalt Geosynthetic Material [*Polymeric Geogrid | Glass Fibre Geogrid | Geocomposite*]**

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 Asphalt Geosynthetic material
- c) dispensing and placement of geosynthetic material including lapping and joining
- d) rolling of geosynthetic material, and
- e) removal and disposal of excess material from the Site.

### **3 Bitumen and bituminous surfacings**

Prior approval from the Administrator is required, if bituminous emulsion is used in any part of the construction of the Asphalt Geosynthetics. This includes the tack coat and the bitumen sprayed during the placement of the geosynthetics.

Sprayed bituminous surfacings shall comply with MRS11 *Sprayed Bituminous Treatments (Excluding Emulsions)*, and other relevant Technical Specifications.

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

Notwithstanding the above this Specification takes precedence and bitumen and bituminous surfacings shall also comply with this Specification.

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