

Superseded

Specification (Measurement)

**Transport and Main Roads Specifications
MRS58 Subgrade Reinforcement using Pavement
Geosynthetics**

July 2017

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Contents

- 1 Introduction1**
- 2 Measurement of Work1**
- 2.1 Standard Work Items 1
- 2.2 Work Operations..... 1

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1 Introduction

This Specification applies to the physical, material and construction requirements for Subgrade Reinforcement using Pavement 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
Subgrade Reinforcement using Pavement Geosynthetics		
43501	Supply of Pavement Geosynthetic Material [<i>geogrid geocomposite woven geotextile</i>]	m ²
43502	Transport of Pavement Geosynthetic Material supplied by the Principal [<i>geogrid geocomposite woven geotextile</i>], from [<i>supply location</i>]	m ²
43503	Placement of Pavement Geosynthetic Material [<i>geogrid geocomposite woven geotextile</i>]	m ²

2.2 Work Operations

Item 43501 Supply of Pavement Geosynthetic Material [*geogrid | geocomposite | woven geotextile*]

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 Pavement Geosynthetic Material (*Geogrid/Geocomposite/Woven Geotextile*) including allowance for lapping and joining
- c) loading, hauling, delivery and storage out of direct sunlight of Pavement geosynthetic material and such that water does not enter the geosynthetic material(s), and
- d) associated material compliance testing.

Item 43502 Transport of Pavement Geosynthetic Material supplied by the Principal [*geogrid | geocomposite | woven geotextile*], 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 43503 Placement of Pavement Geosynthetic Material [*geogrid / geocomposite / woven geotextile*]

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

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