

**Specification (Measurement)**

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

**July 2024**



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## 1 Introduction

This Specification applies to the material and construction requirements for geosynthetics used in subgrade and pavement reinforcement applications.

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.

**Table 2.1 – Standard Work Items**

Standard Item No.	Description	Unit of Measurement
<b>Geosynthetics for Subgrade and Pavement Reinforcement</b>		
43504	Supply and placement of pavement geosynthetic [geogrid   geocomposite] [Type 1   Type 2]	m <sup>2</sup>

### 2.2 Work Operations

#### Item 43504 Supply and placement of pavement geosynthetic [geogrid | geocomposite] [Type 1 | Type 2]

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 [geogrid | geocomposite] [Type 1 | Type 2] including allowances for overlaps, joints, and wastage
- c) loading, hauling, delivery and storage of the geosynthetic in a manner that prevents exposure to sunlight and moisture
- d) any additional subgrade / pavement surface preparation Works which are prescribed in the Contract, Drawings and/or *Supplier's Installation Guidelines*
- e) where applicable, supply and placement of non-woven geotextile underneath geogrid
- f) dispensing and placement of geosynthetic including all lapping and jointing requirements
- g) where applicable, pinning and nailing of the geosynthetic
- h) rectification of any folded and/or wrinkled geosynthetic
- i) removal and replacement of any damaged geosynthetic
- j) removal and disposal of excess geosynthetic from the Site, and
- k) all associated material compliance testing.

The preparation of the underlying subgrade and/or pavement surface shall be undertaken in accordance with the relevant Measurement and Technical Specifications.

### **2.3 Calculation of Quantities**

The calculated quantity shall be the pavement surface area installed (in m<sup>2</sup>) excluding all overlaps, joints, and wastage.

