

# Main Roads Specification

**MRS35**

## Recycled Materials for Pavements

**October 2010**

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# RECYCLED MATERIALS FOR PAVEMENTS

## 1 INTRODUCTION

This specification applies to the material requirements for recycled materials to be used in pavements for road construction, rehabilitation and maintenance.

This specification consists of Clauses 1 and 2 of this MRS35 and all Clauses of MRTS35.

This specification shall be read in conjunction with Standard Specifications MRS01 *Introduction to Specifications*, MRS50 *Specific Quality System Requirements* and other Standard 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 |
|-------------------|--|---------------------|
| 4151R             | Unbound pavement, Recycled Material Blend Type RM001, [ <i>layer location in pavement</i> ].         | m <sup>3</sup>      |
| 4152R             | Unbound pavement, Recycled Material Blend Type RM002, [ <i>layer location in pavement</i> ].         | m <sup>3</sup>      |
| 4153R             | Unbound pavement, Recycled Material Blend Type RM003, [ <i>layer location in pavement</i> ].         | m <sup>3</sup>      |
| 4154R             | Unbound pavement, Recycled Material Blend Type RM004, [ <i>layer location in pavement</i> ].         | m <sup>3</sup>      |
| 4155R             | Unbound pavement, Recycled Material Blend Type RM005, [ <i>layer location in pavement</i> ].         | m <sup>3</sup>      |
| 4156R             | New material to replace material not suitable for stabilisation, Recycled Material Blend Type RM006. | m <sup>3</sup>      |
| 4157R             | New material to replace material not suitable for stabilisation, Recycled Material Blend Type RM007. | m <sup>3</sup>      |

### 2.2 Work Operations

**Item 4151R Unbound pavement, Recycled Material Blend Type RM001, [*layer location in pavement*].**

**Item 4152R Unbound pavement, Recycled Material Blend Type RM002, [*layer location in pavement*].**

**Item 4153R Unbound pavement, Recycled Material Blend Type RM003, [*layer location in pavement*].**

**Item 4154R Unbound pavement, Recycled Material Blend Type RM004, [*layer location in pavement*].**

**Item 4155R Unbound pavement, Recycled Material Blend Type RM005, [*layer location in pavement*].**

Work Operations incorporated in the above items include –

- Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*;
- Winning/reclaiming and processing of feed materials to produce uniform and homogenous product materials;
- Stockpiling;
- Supply and delivery of all material to the pavement;

- e) Spreading of material over the pavement in a way that ensures that there is no segregation of material;
- f) Supply and incorporation of water;
- g) Compacting and trimming;
- h) Additional work to achieve higher tolerances;
- i) Maintenance of the subgrade and/or pavement courses; and
- j) Testing including compliance testing and testing for reporting only.

**Item 4156R New material to replace material not suitable for stabilisation, Recycled Material Blend Type RM006.**

**Item 4157R New material to replace material not suitable for stabilisation, Recycled Material Blend Type RM007.**

Work Operations incorporated in the above items include –

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*;
- b) Winning/reclaiming and processing of feed materials to produce uniform and homogenous product materials;
- c) Stockpiling;
- d) Supply and delivery of all materials to the pavement;
- e) Spreading of material over the pavement in a way that ensures that there is no segregation of material;
- f) Compacting and trimming the materials to facilitate in situ stabilisation and work operations related to it;
- g) Maintenance of the subgrade; and
- h) Testing including compliance testing and testing for reporting only.

### **2.3 Basis of Payment**

Payment is based on finished compacted volume in the pavement.