

# Main Roads Specification

**MRS31**

**Heavy Duty Asphalt**

SUPERSUDED

**June 09**

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# Heavy Duty Asphalt

## 1 INTRODUCTION

This Specification applies to the construction of dense graded asphalt layers for high load intensity low intervention pavements.

This Specification shall be read in conjunction with Specification 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
5563	Dense graded asphalt, DG14HS mix	tonne
5573	Dense graded asphalt, DG14HM mix	tonne
5574	Dense graded asphalt, DG20HM mix	tonne

### 2.2 Work Operations

**Item 5563 Dense graded asphalt, DG14HS mix**

**Item 5573 Dense graded asphalt, DG14HM mix**

**Item 5574 Dense graded asphalt, DG20HM mix**

Work Operations incorporated in the above items include –

- a) Work Operations listed in Clause 2.1.5 of MRS01 *Introduction to Specifications*;
- b) Being a registered asphalt manufacturer or engaging a subcontractor who is a registered asphalt manufacturer;
- c) Having a registered mix design or obtaining a registered mix design under the asphalt supplier registration system;
- d) Manufacture of the dense graded asphalt in accordance with the registered mix design;
- e) Delivery of the dense graded asphalt to the Works;
- f) Being a registered asphalt paving organisation or engaging a registered asphalt paving organisation;
- g) Laying, compacting and finishing any corrector layer;
- h) Laying, compacting and finishing the production asphalt;
- i) Protection of the compacted asphalt layer from moisture ingress;
- j) Providing an allowance for production asphalt used in temporary ramps and asphalt lost from cut-offs from joints;
- k) Provision of a laboratory and compliance testing facilities;
- l) Sampling, testing and quality assurance requirements;

- m) Delivery of the results for all tests and inspections to the Administrator within the nominated time; and
- n) Removal and disposal of any nonconforming material or product, or any material or product not utilised for a reduced level of service, and replacement with conforming material or product.

### **2.3 Calculation of Quantities**

The quantity of asphalt shall be determined in accordance with Clause 2.3.3 of MRS30 *Dense Graded and Open Graded Asphalt*.

## **3 UTILISATION OF A REJECTED LOT FOR A REDUCED LEVEL OF SERVICE**

The requirements for utilisation of a rejected lot for a reduced level of service shall be in accordance with those stated in Clause 3 of MRS30 *Dense Graded and Open Graded Asphalt*.

## **4 ADDITIONAL PAYMENT FOR A HIGHER STANDARD OF SURFACE EVENNESS**

The requirements for additional payment for a higher standard of surface evenness shall be in accordance with those stated in Clause 4 of MRS30 *Dense Graded and Open Graded Asphalt*.

## **5 ADDITIONAL PAYMENT FOR A HIGHER STANDARD OF RELATIVE COMPACTION**

The requirements for additional payment for a higher standard of relative compaction shall be in accordance with those stated in Clause 5 of MRS30 *Dense Graded and Open Graded Asphalt*.

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