



8408 Crusher Dust

REVISION 16/02/2024

8408.1 Introduction

This supplementary specification refers to the supply and placement of crusher dust as a pavement for non-sealed trafficable surfaces.

8408.2 Referenced Documents

This supplementary specification shall be read in conjunction with the following:

- MRS01 *“Introduction to Specifications”*;
- MRTS01 *“Introduction to Technical Specifications”*;
- MRS04 & MRTS04 *“General Earthworks”*
- MRS05 & MRTS05 *“Unbound Pavements”*; and
- The Project drawings.

8408.3 Description of Work Items

Work items incorporated by this supplementary specification are identified in Section 8408.6 and 8408.7 with individual activities/tasks for measurement and payment sourced from the Bill of Quantities and listed in MRC Supplementary Specification Annexure 8408_1 Crusher Dust Section 1

8408.4 Quality Systems Requirements

8408.4.1 Std Test Methods (Testing Regime)

The following minimum testing regime applies to this specification:

Civil works activities associated with the supply and placement of crusher dust as a pavement layer shall be tested as per the MRTS specification MRTS04 and MRTS05 unless otherwise approved by the Superintendent.

8408.4.2 Hold Points, Witness Points and Milestones

The following table represents the minimum inspection requirements for this specification;

Activity	Inspection Type	When
Construction Procedure and other submissions as required by Clause 8408.5	Milestone	4 Weeks prior to works commencing
Inspection of delivered material	Hold Point	At delivery time for each load.
Underlying layer prepared and compacted to requirements of design drawings	Hold Point	Prior to incorporating crusher dust as a pavement layer
Mixing, spreading, compacting, and trimming	Witness Point	During construction activities of pavement



Inspection of completed crusher dust pavement	Hold Point	After trimming and compaction to level.
Works as Executed documentation (As Required)	Hold Point	4 weeks prior to practical completion being requested.

8408.4.3 Construction Tolerances

Unless otherwise approved by the Superintendent the following construction tolerances shall apply to this Specification;

- Pavement tolerances in accordance with MRTS05 Unbound Pavement

Tolerances specific to the project are detailed on the design drawings and are included in Clause 2 of MRC Supplementary Specification Annexure 8408_1 Crusher Dust otherwise MRTS05 applies.

8408.5 Preliminary

The Contractor is to submit the following documentation 4 weeks prior to commencing work or a prestart is conducted. (MILESTONE):

- Works procedure
- Erosion and Sediment Plan (as required for site/s)
- Traffic Management Plan and TGS's

Other requirements unique to the project will be listed in the MRC Supplementary Specification Annexure 8408_1 Crusher Dust (MILESTONE)

8408.5.1 Materials

Crusher dust materials to consist of angular to roughly cubical shaped particles with a vesicular structure and rough surface texture.

All material incorporated into the finished pavement shall be free from sticks, organic matter, clay lumps and other deleterious material or contamination

Materials shall be stockpiled in accordance with Clause 7.7 of MRS05.

Crusher dust must be supplied from Council's preferred supplier and comply with Council's requirements unless otherwise approved by the Superintendent.

Supply of all materials to site is the responsibility of the Contractor at their cost, where items are Principal supplied the nominated storage site shall be obtained from MRC Supplementary Specification Annexure 8408_1 Crusher Dust Section 3 and shall be the point of supply.

8408.6 Construction

This section lays out the works operations with more detail based on specific requirements of this supplementary specification. Some activities may appear to include items which are stated within other specifications, the purpose is to reinforce that requirement specific to this supplementary specification.

8408.6.1 Work Operations

Work operations incorporated in this item will include:

- a) **Work operations included in Clause 2.1.5 of MRS01 "Introduction to Standard Specifications";**
- b) **Supplying all materials**



All materials, plant, and labour required to carry out the works under this Specification is to be supplied by the Contractor, where the crusher dust is Principal supplied the designated storage site will be the point of supply for the purposes of this Specification.

All materials shall be inspected at delivery to site prior to use. Material which is not compliant with Section 8408.5.1 of this specification are not to be used and are to be returned to the supplier. (HOLD POINT)

c) Underlying Layer

The underlying layer is to be prepared, trimmed, and compacted to the requirements of the design drawings prior to the crusher dust being incorporated as a pavement layer.

The underlying layer shall be treated as a subgrade and all works carried out to comply with MRTS04.

d) Placing, spreading and compacting all materials;

Visual inspection of the material during placement shall be undertaken to ensure compliance. (WITNESS POINT)

Crusher dust is to be mixed during placing and spreading to ensure a homogenous pavement with the moisture content close to optimum but not over. Compaction is to be carried out and tested as per MRTS05 as a pavement layer.

Completed pavement shall be trimmed with the levels, crossfall and grades as required by the design drawings with the layer depth in accordance with Clause 8.3.3 of MRTS05. (HOLD POINT)

8408.7 Post construction

a) Collection and submission of all As Constructed data including QA data requirements. (As Required)

Unless otherwise approved by the Superintendent the Contractor is to supply and submit Works as Executed documentation as required by *MRC D20 - Drawings and Documentation* for approval by the Superintendent 4 weeks prior to requesting a practical completion inspection. (HOLD POINT)

Format of submitted “As Constructed” documentation shall be compliant with MRC Supplementary Specification 8919.

8408.8 Measurement and Payment

Provision for these works shall be included in the scheduled unit rate for the items show in Clause 8408.3 of this Supplementary Specification and Annexure. No separate payment will be made for the works specified within this Supplementary specification or it’s annexure.

Version Control:

Version	Description	Reviewed / Endorsed	Date
1.0	Original issue		03.10.2019
2.0	Review of specification	C. Sultana	16.02.2024