



Test method T112

Dry density/moisture relationship of road construction materials (Modified compaction)

OCTOBER 2012



Revision Summary

Ed/Rev Number	Clause Number	Description of Revision	Authorisation	Date
		Reformatted and Revision Summary Added	D. Dash	May 1999
	Scope, 5.1.1 (a) (e)	Revised.	D. Dash	Sept 1999
		Generally Revised- Title Changed Test method made consistent with T111.	G Donald	Nov 2007
Ed 2/ Rev 0	All	Reformatted RMS template	J Friedrich	October 2012

Note that Roads and Maritime Services is hereafter referred to as 'RMS'.

The most recent revision to Test method T112 (other than minor editorial changes) are indicated by a vertical line in the margin as shown here.

Test method T112

Dry density/moisture relationship of road construction materials (Modified compaction)

1. Scope

This test method sets out the procedure to determine the relationship between moisture content and dry density of road construction materials.

The method uses modified compaction on independent sub-samples having different moisture contents.

NOTE: The method is adapted from AS 1289.5.2.1.

2. General

- (a) Modified compaction shall be used.
- (b) The test method is applicable to material passing the AS 37.5 mm sieve. However, if the Optimum Moisture Content (OMC) and the Maximum Dry Density (MDD) are to be used only for Unconfined Compressive Strength or California Bearing Ratio determinations, only the portion passing the 19 mm AS sieve is tested.
- (c) For material stabilised in the field, time limits may be imposed in specifications for sampling and testing.
- (d) This test method is not applicable for material stabilised in the laboratory (refer to T130 or T150).

3. Apparatus, Preparation, Procedure, Calculations and Reporting

- (a) This test method is identical to -T111 except that modified compaction is specified.
- (b) Include reference to this test method in the report.

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