



Test method T136

Rate of spread of dry powder binders

OCTOBER 2012



Revision Summary

Ed/Rev Number	Clause Number	Description of Revision	Authorisation	Date
		Reformatted and Revision Summary Added	D Dash	May 1999
		Date on Test Method Revised to Agree with Date on Revision	D Dash	Feb 2001
		Generally Revised- Title Changed	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 T136 (other than minor editorial changes) are indicated by a vertical line in the margin as shown here.

Test method T136

Rate of spread of dry powder binders

1. Scope

This test method sets out the procedure for determining the rate of spread in the field of dry powder binders used to modify or stabilise road construction materials.

2. General

This procedure is only applicable where dry powder binder is spread separately using a mechanical spreader.

3. Apparatus

- (a) A balance of suitable capacity with a limit of performance of not greater than ± 5 g
- (b) Three rectangular metal trays with internal measurements of approximately 1.0 m \times 0.3 m and sides at least 40 mm high.

4. Procedure

- (a) Place the 3 metal trays end to end along the road surface to be tested. Position the trays in line with the direction of travel of the mechanical spreader and so that the spreader passes over the trays without contact
- (b) Immediately after the spreader has passed, remove the filled trays without spillage
- (c) Determine the mass of binder retained on each tray (M) to the nearest 10 g

5. Calculations

- (a) Calculate the rate of spread of binder for each tray, as follows:

$$R = \frac{M}{A \times 1000}$$

Where:

R = Rate of spread of binder for tray (kg/m²)

M = Mass of material retained on tray (g)

A = Area of tray (m²)

- (b) Calculate the mean spread rate of the three trays (kg/m²)

6. Reporting

Include the following data and results in the report:

- (a) The rate of spread of each tray to the nearest 0.1 kg/m²
- (b) The mean rate of spread of binder to the nearest 0.5 kg/m²
- (c) Reference to this test method