



Transport
Roads & Maritime
Services

Test method T236

Rate of spread of coverage aggregate

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 Summary	D.Dash	Feb 2001
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 T236 (other than minor editorial changes) are indicated by a vertical line in the margin as shown here.

Test method T236

Rate of spread of coverage aggregate

1. Scope

This test method sets out a procedure for determining the rate of spread of cover aggregate used in bituminous surfacing work, in terms of square metres per cubic metre of aggregate.

2. Apparatus

- (a) A balance of adequate capacity, with a limit of performance of ± 5 g
- (b) A steel straight edge about 500 mm in length
- (c) A 1m rule

3. Test Sample

Reduce the size of the sample by quartering or riffing to obtain a sub-sample of approximately 18 kg mass.

4. Procedure

- (a) Determine the loose unit mass of the aggregate by Test Method T211.
- (b) Mark out an area of 1 m^2 on a firm level surface.
- (c) Spread out the test sample by hand over the marked area so that each particle is in close, slightly overlapping, contact with other particles but ensuring that the resultant layer is essentially one stone thick.
- (d) Collect the particles from the marked area and determine the mass (M) of the material required to cover the area as described.

5. Calculations

- (a) Calculate the aggregate spread rate (SR) as follows:

$$SR = \frac{LUM}{M \div 1000} \quad (\text{m}^2/\text{m}^3)$$

Where

M= mass of sample from marked area (kg)

LUM=Loose Unit Mass of Aggregate

6. Reporting

Report the aggregate spread rate to the nearest $0.1 \text{ m}^2/\text{m}^3$

Note: In practice, it is usual to adjust the rate of spread value as determined by test to allow for field conditions of spreading.