



Transport
Roads & Maritime
Services

Test method T852

Degree of settling of paint

NOVEMBER 2012



Revision Summary

Ed/Rev Number	Clause Number	Description of Revision	Authorisation	Date
		Reformatted and Revision Summary Added -	D.Dash	June 2001
Ed 2/ Rev 0	All	Reformatted RMS template	J. Friedrich	November 2012

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

The most recent revision to Test method T852 (other than minor editorial changes) are indicated by a vertical line in the margin as shown here.

Test method T852

Degree of settling of paint

1. Scope

This test method sets out the procedure for evaluating the degree of settling of samples of paint shelf-aged in 500 mL containers approximately 90 mm in diameter. The procedure conforms to Australian Standard 1580, Method 211.1.

2. Apparatus

- (a) A steel bladed spatula with a square end, conforming to the following requirements:

Total weight	50 g \pm 2.5 g
Total length	210 mm \pm 15 mm
Length of blade to shoulder	120 mm \pm 15 mm
Width of blade	22.5 mm \pm 1.5 mm
Thickness of blade	1.2 mm \pm 0.1 mm

- (b) A metal container of about 500 mL capacity with a base approximately 90 mm in diameter and with a double tight lid.

3. Procedure

- (a) Disperse the paint uniformly by stirring, shaking, etc., and decant into a 500 mL metal container until it is completely filled.
- (b) Seal the container and allow to settle without disturbance for a period of 6 months (the paint may be allowed to settle in its original container as an alternative provided it is of the standard size).
- (c) After the period of settling, open the tin with care and proceed as follows:
- Lower the spatula vertically and gently into the sample and note whether it will fall to the bottom of the container under its own weight within 30 seconds. If not, push to the bottom.
 - If necessary repeat step (i) in another part of the container.
 - With the end of the spatula on the bottom of the container move it edgewise and then sideways noting the resistance offered to such movement.
 - Bring up the end of the spatula from the bottom of the container in such a manner as to hold on it as much of the settled pigment as possible and note the amount.
 - Rate the sample for the degree of settling on a numerical scale in accordance with the following description (intermediate condition may be given the appropriate odd number).

Rating	Description
10	Complete suspension of pigment
8	A feel of settling of pigment. No significant resistance to sideways movement of the spatula. A small deposit brought up on the spatula
6	Definite settled pigment through which the spatula will drop to the bottom of the container within 30 seconds. Definite resistance to sideways movement of the spatula. Appreciable deposit brought up on the spatula.
4	Definite cake of settled pigment through which the spatula will not drop to the bottom of the container within 30 seconds. Difficult to move the spatula sideways through the cake and slight edgewise resistance
2	Definite cake of settled pigment through which it is very difficult to move the spatula sideways and offering a very definite resistance to edgewise movement
0	A hard-dry cake of settled pigment

4. Reporting

Report the rating obtained as the Settlement Number.