



Test method T535

Dynamic viscosity of bituminous materials
by the vacuum capillary viscometer

NOVEMBER 2012



Revision Summary

Ed/Rev Number	Clause Number	Description of Revision	Authorisation	Date
		Safety Notes Added-Reformatted and Revision Summary Added	D.Dash	Sep 1999
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 T535 (other than minor editorial changes) are indicated by a vertical line in the margin as shown here.

Test method T535

Dynamic viscosity of bituminous materials by the vacuum capillary viscometer

1. Scope

This test method sets out the procedure for determining the dynamic viscosity of bituminous material by:

- (i) The Asphalt Institute Vacuum Capillary Viscometer for viscosities in the range 4.2 Pa.s to 20,000 Pa.s.
- (ii) The Cannon-Manning Viscometer for viscosities in the range 0.0036 to 5.5 Pa.s.

2. Safety Notes

A poster describing the action to be taken in the event of bitumen burns must be displayed in the laboratory in the vicinity of the bitumen pouring area(s).

Use either tongs or heat resisting gloves when handling hot bitumen. Loose or puncture lids before heating containers. Examine cold samples for signs of water. Remove all visible water. Wear spectacles when heating samples suspected of containing water. Cleaning solvents such as toluene may be toxic, handle such solvents in a fume cupboard, consult safety data sheet.

3. Test Requirements, Procedures and Reporting

The method is identical with the procedure described in AS 2341.2 "Determination of Dynamic Viscosity, by Flow through a Capillary Tube".