



Transport
Roads & Maritime
Services

Test method T1226

Sag flow test for adhesives for raised pavement markers

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 T1226 (other than minor editorial changes) are indicated by a vertical line in the margin as shown here.

Test method T1226

Sag flow test for adhesives for raised pavement markers

1. Scope

This Method sets out the procedure for determining the flow under gravity of adhesives used for bonding pavement markers to road surfaces, in conformity with the Australian Standard for Adhesives for Raised Pavement Markers (in preparation).

The sag flow of a bead of adhesive is determined by measuring its displacement on a sag flow board when held in a vertical position for a known time.

2. Apparatus

The following apparatus is required:

- (a) Polyethylene sag flow board (as shown in Fig 1)
- (b) Draw blade, not less than 60 mm wide
- (c) Scale, v in millimetres
- (d) An oven, capable of maintaining the conditioning and test temperature to within $\pm 1^\circ\text{C}$

3. Procedure

The procedure shall be as follows:

- (a) Condition the sag flow board at $23 \pm 1^\circ\text{C}$ for at least 4 h.
- (b) Mix a sufficient quantity of adhesive in accordance with the procedure specified in the Test Method T337.
- (c) With the sag flow board in the horizontal position, place the mixed adhesive in the 6 mm thickness channel of the sag flow board. Strike off the adhesive level with the top of the channel, remove excess adhesive from beyond the channel, and turn the board into a vertical position.

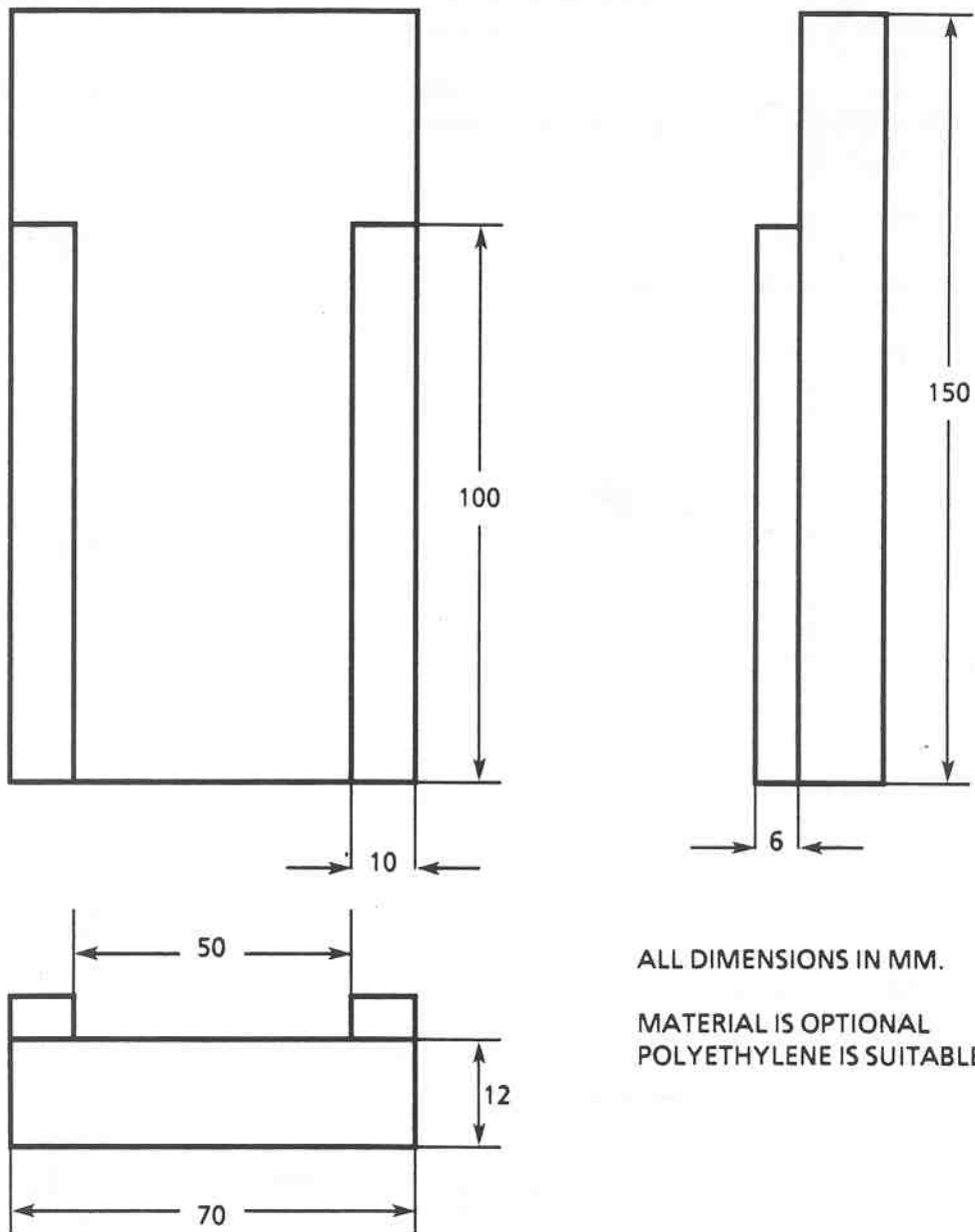
NOTE: If the gelation time of the mixed adhesive as determined by method T337, is less than 15 min, the filling of the channel should not continue into the last 5 min before gelation occurs because the exothermic reaction may affect this test.

- (d) Start the stop watch and immediately return the board to the oven.
- (e) After the specified period turn the board to the horizontal position and measure the sag flow to the nearest millimetre.

4. Reporting

The report shall include the following:

- (i) The identification of the adhesive, manufacturer and type being tested.
- (ii) Time of conditioning of adhesive components.
- (iii) Time and temperature during which the mixed adhesive sample is on the sag board in the vertical position.
- (iv) Sag flow in millimetres.



ALL DIMENSIONS IN MM.
MATERIAL IS OPTIONAL
POLYETHYLENE IS SUITABLE

Fig. 1 Sag Flow Board