



# Test method T1176

## Flow properties of cold applied joint sealing compound

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## Revision Summary

Ed/Rev Number	Clause Number	Description of Revision	Authorisation	Date
		Reformatted and Generally Revised	D.Dash	February 2000
		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 T1176 (other than minor editorial changes) are indicated by a vertical line in the margin as shown here.

# Test method T1176

## Flow properties of cold applied joint sealing compound

### 1. Scope

This test method sets out the procedure for assessing the flow properties of Cold Applied Joint Sealing Compounds (i) Class A, Self-Levelling Compound and (ii) Class B, Non-Sag Compound.

### 2. Apparatus

- (a) Controlled temperature chamber regulated to give a temperature of  $5 \pm 1^\circ\text{C}$ .
- (b) Controlled temperature chamber regulated to give a temperature of  $38 \pm 1^\circ\text{C}$ .
- (c) Metal Channel 20 mm wide, 13 mm deep and 150 mm long, closed at both ends for testing Class A - Self-Levelling compounds.
- (d) Two metal channels 20 mm wide, 13 mm deep and 150 mm long, closed at one end with the base at the other end extended for a length of 50 mm.
- (e) Metal spatula or extrusion gun.

### 3. Procedure - Class A Self-levelling Compounds

- (a) Condition 100 grams of the base compound appropriate amount of accelerator in the controlled temperature chamber at  $5 \pm 1^\circ\text{C}$  for a minimum of 16 hours.
- (b) Bring the metal channel to the test temperature by storage in the controlled temperature chamber at  $5 \pm 1^\circ\text{C}$  for at least 1 hour.
- (c) Remove the compound and accelerator from the chamber, and mix them by hand for 5 minutes.
- (d) Return the mixed compound to the chamber for a further period of 30 minutes after which pour it into the channel held in a horizontal position.
- (e) Maintain the material in the mound at  $5 \pm 1^\circ\text{C}$  for a period of 1 hour and examine the material to assess the self-levelling properties.

### 4. Reporting

Report the degree to which the material has formed a smooth level surface.

### 5. Procedure - Class B Non-Sag Compounds

- (a) Condition 200 grams of the base compound with the appropriate amount of accelerator at  $25 \pm 1^\circ\text{C}$  for a minimum of 16 hours.
- (b) Condition two test channels for not less than 1 hour, one at  $5 \pm 1^\circ\text{C}$  and one at  $38 \pm 1^\circ\text{C}$ .
- (c) At the end of the conditioning period hand mix the components for a period of five minutes.
- (d) Remove the channels from their respective temperature controlled chambers and using a metal spatula or extrusion gun fill the channels. The filling procedure to be completed with 1 minute.
- (e) Return the filed channels to their respective chambers and set in a vertical position with their open ends downwards.
- (f) At the end of one hour inspect the channels and measure the sag of the compound at the bottom ends of the channels.

## **6. Reporting**

Report the measured amount of sag and the results of the inspection of the material in the channel to the nearest millimetre.