



# Test method T1409

## Accelerated storage properties of retro-reflective sheeting

NOVEMBER 2012



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## 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 T1409 (other than minor editorial changes) are indicated by a vertical line in the margin as shown here.

# Test method T1409

## Accelerated storage properties of retro-reflective sheeting

### 1. Scope

This test method sets out the procedure for assessing the storage properties of retro-reflective sheeting by an accelerated process involving elevated temperature. The test method is developed from the limits set out in Australian Standard 1906 Part 1 -1976.

### 2. Test Piece

A piece of retro-reflective sheeting with the liner attached 150 mm long by 50 mm wide.

### 3. Apparatus

- (a) A thermostatically controlled oven with good air circulation capable of maintaining a temperature within the range of  $65^{\circ}\text{C} \pm 2^{\circ}\text{C}$
- (b) Two steel plates 6 mm thick and 160 mm long by 60 mm wide each with one polished face
- (c) A rectangular block of metal with a mass such that the mass of the block together with the uppermost of the two steel plates is 15.3kg

### 4. Procedure

- (a) Preheat the steel plates and the block in the oven at  $65^{\circ}\text{C} \pm 2^{\circ}\text{C}$  for one hour
- (b) Place the test piece, with the liner attached, between the steel plates with the polished surfaces in contact with the sheeting
- (c) Place the assembled plates in the oven and set the block in position on the upper plate so that the total superimposed load is 15.3kg
- (d) Maintain the temperature for a period of four (4) hours
- (e) Remove the loading equipment from the oven and remove the liner from the sheeting by hand
- (f) Examine the liner and the test piece for signs of tearing, breaking or removal of adhesive material from this test piece

### 5. Reporting

Report any signs of failure noting in what respect the material fails to comply.