



Transport
Roads & Maritime
Services

Test method T1407

Bend test on retro-reflective sheeting

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 T1407 (other than minor editorial changes) are indicated by a vertical line in the margin as shown here.

Test method T1407

Bend test on retro-reflective sheeting

1. Scope

This test method sets out the procedure for assessing the resistance to cracking of retro-reflective sheeting when bent through 180°. This method conforms to Australian Standard 1906.

2. Apparatus & Reagents

- (a) Mandrel 3mm in diameter
- (b) French chalk or talcum powder

3. Conditions of Test

Carry out the test in an air conditioned atmosphere at $20 \pm 2^\circ\text{C}$ and a relative humidity of $50 \pm 5\%$

4. Procedure

- (a) Condition a sample strip of the unmounted retro-reflective sheeting 25mm wide for 24 hours at $20 \pm 2^\circ\text{C}$ and $50 \pm$ relative humidity.
- (b) Remove the liner and apply French chalk or talcum powder liberally to the adhesive side of the strip,
- (c) Slowly bend the strip 180° around the mandrel with the adhesive side contacting the mandrel.
- (d) Inspect the test piece carefully using a magnifying glass for signs of cracking at the bend.

5. Reporting

Report as "Pass" or "Fail"