



Transport
Roads & Maritime
Services

Test method T1215

Compressive strength of 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 T1215 (other than minor editorial changes) are indicated by a vertical line in the margin as shown here.

Test method T1215

Compressive strength of raised pavement markers

1. Scope

This Test Method sets out the procedure for determining the strength by compressive loading of raised pavement markers. It refers to the following documents:

- (a) Specification for Supply and Installation of Raised Pavement Markers. (In preparation).
- (b) Australian Standard 2445.3.8 - 1982 Compressive Strength of Raised Pavement Markers.

2. Apparatus

- (a) A compression testing machine of at least 7 kN capacity and loading pacing capabilities
- (b) Steel ring

Internal diameter	76mm (critical dimension)
Outside diameter	88mm approximately
Thickness	25mm approximately
- (c) Metal plug

Diameter	25mm (critical dimension)
Thickness	25mm approximately
- (d) Rubber shim

Thickness	3mm
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Note: For low profile and other markers having an overall length less than the internal diameter of the steel ring, a smaller steel ring of internal diameter 38mm and a metal plug of diameter 13mm should be used for the test.

3. Procedure

- (a) Three markers shall be tested.
- (b) Place the marker centrally over the steel ring on the lower platen of the testing machine.
- (c) Lower the steel plug onto the top of the marker, insert the rubber shim between the plug and the markers, and centre the marker and steel ring.
- (d) Load at a rate of 5 kN per minute ensuring that the metal plug is normal to the base of the marker.
- (e) Apply the load until destruction or until the specified load has been reached.
- (f) Record the force in kN and inspect for any permanent deformation.

4. Reporting

- (a) Report the force required to break the marker in kN.
- (b) For retro reflective markers, also report:
- (c) Deformation (in mm) of markers at a force less than or equal to the minimum specified.
- (d) Area of delamination (in mm²) of the shell and filler material at forces up to the minimum specified.