

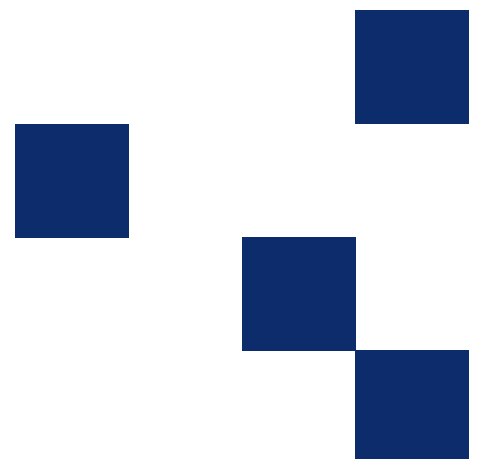


Transport
Roads & Maritime
Services

Test method T1217

Ultraviolet exposure test 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 T1217 (other than minor editorial changes) are indicated by a vertical line in the margin as shown here.

Test method T1217

Ultraviolet exposure test for raised pavement markers

1. Scope

This test sets out the method for simulating the ultraviolet (UV) exposure of raised pavement markers and evaluation of its effects including retro-reflective properties. It refers to the following documents:
AS 2445.3.6 Ultra Violet Exposure Test.
AS25442.3.2 - 1982 Coefficient of Luminous Intensity (CIL) of Type A and A/B Raised Pavement Markers.

2. Apparatus

- (a) Apparatus for dry ultraviolet exposure.
The apparatus comprises an open ended cylindrical rack in the centre of which is mounted a UV source. The size of the rack shall be such that the markers, when mounted around the internal face of the rack, have their reflecting faces towards, and between 120 and 150mm from the outer surface of the lamp. The rack shall be mounted so that the air can circulate through the open ends.
- (b) Apparatus for photometric tests as specified in AS2445.3.2 - (1982) Clause 3.

3. Procedure

- (a) Three markers shall be tested.
- (b) The markers when positioned in the UV exposure apparatus shall be subjected to 500 hours exposure, either continuously or for broken periods. The surface temperature of the markers should not exceed 60°C.
- (c) Remove the markers and compare with the acceptable UV exposed control marker. Observe the test specimens for changes in gloss, surface texture, cracks or any other flaws or changes from the original appearance.
- (d) For retro-reflective markers measure the C.I.L. value for 0° entrance angle and 0.2° observation angle according to test method T1212 and compare with the value specified.

4. Reporting

The report on the influence of UV light on raised pavement markers shall contain:

- (a) Manufacturer's name and/or trademark;
- (b) Designation and type for markers;
- (c) Production batch number and date of manufacture;
- (d) Any changes in gloss, surface texture, cracks or any other flaws or changes from original appearance.
- (e) CIL values for exposed markers.