Transport Roads & Maritime Services

NSW GOVERNMENT

Test method T1220

Water immersion 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 T1220 (other than minor editorial changes) are indicated by a vertical line in the margin as shown here.

Test method T1220

Water immersion test for raised pavement markers

1. Scope

This test sets out the method for determining the effect of exposure to water on raised pavement markers including changes in reflectivity. It refers to the following documents:
-Australian Standard AS2445.3.2-1982 Coefficient of luminous intensity (CIL) of Type A and A/B Raised Pavement Markers and AS2445.3.4-1982 Water Absorption of Raised Pavement Markers.

2. Apparatus

(a) Apparatus for photometric tests as specified in AS2445.3.2-1982 clause 3.

(b) Beaker.

(c) Thermostatted water bath.

3. Procedure

(a) Three markers, preconditioned at 23 ± 2°C and approximately 70 percent relative humidity, shall be tested.

(b) Immerse the markers in a beaker of distilled water, bring to 50 ± 2°C and maintain this temperature for period of two hours. Remove heat and allow the beaker and its contents to cool to room temperature, then in 24 hours remove the markers form the water and dry with a towel.

(c) Examine the markers for any signs of water ingression.

(d) For retro-reflective markers measure the C.I.L. value for 0° entrance angle and 0.2° observation angle and compare with the value specified.

4. Reporting

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

(a) Manufacturer's name and/or trademark.

(b) Designation and type of markers.

(c) Production batch number and date of manufacture.

(d) Describe any occurrence of water ingression.

(e) Report the result of photometric evaluation in Candelas per lux.

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