



Test method T877

Wet night retroreflectivity of road markings under simulated wet conditions

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Revision Summary

Ed/Rev Number	Clause Number	Description of Revision	Authorisation	Date
		New Issue – Ivan Babic	G. Hall	Jan 2004
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 T877 (other than minor editorial changes) are indicated by a vertical line in the margin as shown here.

Test method T877

Wet night retroreflectivity of road markings under simulated wet conditions

1. Scope

This test method sets out the procedure for determining the wet night retroreflectivity of road markings under simulated wet conditions using the MX30 reflectometer.

2. Apparatus

- (a) MX30 reflectometer
- (b) 1 L measured container, eg volumetric jug
- (c) Stopwatch or other timing device
- (d) Clean water supply

3. Procedure

- (a) Measure out 1 L (± 50 ml) of clean water into volumetric jug.
- (b) From a height of approximately 500 mm, evenly pour out the water over the marking for a distance of approximately 400 mm ensuring that marking area to be measured has been completely immersed within a period of 6 seconds.
- (c) After 60 ± 3 seconds, position reflectometer so the light source is just beyond the start of wet area facing in the direction of vehicle travel, and measure the retroreflectivity.
- (d) Repeat steps (a)–(c) three times along the marking on locations already marked for dry test readings, otherwise at 1–1.5 m separations if the dry test readings have not been taken.

4. Reporting

Report the wet night retroreflectivity in mcd/lux/m², as an average of the 3 individual readings.

Also record any deviations from this procedure.

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