



Transport
Roads & Maritime
Services

Test method T1404

Ultra violet dry exposure

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 T1404 (other than minor editorial changes) are indicated by a vertical line in the margin as shown here.

Test method T1404

Ultra violet dry exposure

1. Scope

This test method sets out a procedure for comparing the resistance of films or sheets of material to the effects of exposure to Ultra-violet radiation.

2. Apparatus

The apparatus consists of a turn table 500 mm in diameter, rotating at 4 rpm, mounted beneath an ultra violet light which is located 135 mm of the centre of the turn table. The distance between the light and the specimens on the turntable is to be adjustable to a standard distance of 115mm. The lamp is a Philips HPK 125W available from Philips Lighting Industries, PO BOX 163 Brookvale, 2100.

3. Procedure

- (a) Cut the sample to approximately 125mm square and mount on the turntable so that they pass centrally under the ultra violet light source. Samples should be placed diametrically opposite each other so that the table is in balance. Set one piece aside as an untreated control sample.
- (b) Expose the test samples to the light source for the specified period. The specifications generally allow for the exposure to cease after obvious differences in the samples are observed or alternatively specify the period for which the sample is to be exposed.
- (c) Observe the test specimens for changes in gloss, colour, surface texture, cracks or any other flaws or changes from the original appearance.

4. Reporting

- (a) Report results in accordance with the observations prescribed above, including comparative reference to the behaviour of the Control Sample together with the number of hours of exposure.
- (b) Record any changes made to the equipment or procedure from those described above.