



Transport
Roads & Maritime
Services

Test method T1505

Physical dimensions of plastic drainage pipe perforations

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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 T1505 (other than minor editorial changes) are indicated by a vertical line in the margin as shown here.

Test method T1505

Physical dimensions of plastic drainage pipe perforations

1. Scope

This method sets out the procedure for determining the dimensions of the drainage slots.

2. Materials

Smooth or corrugated plastic drainage pipe covered by AS 2439.

3. Apparatus

Reichert microscope or equivalent with appropriate lenses for x5 magnification.

4. Procedure

- (a) Cut a 200 mm length of the pipe submitted for testing
- (b) Count the number of slots on this cut length (N)
- (c) Cut this sample into longitudinal strips, each containing 1 row of slots
- (d) Place a strip on the stage of the microscope and measure the length (L) and the width (W) of each slot on the screen to the nearest mm

5. Calculation and Report

- (a) Determine the average length to width ratio of the slots L:W
- (b) Determine the average area of slots per metre length of pipe

$$A = \frac{L \times W}{25} \times 5 \times N \text{ sq mm per metre of pipe.}$$