



Transport
Roads & Maritime
Services

Test method T1508

Determination of the low temperature resistance of strip filters during straightening

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Revision Summary

Ed/Rev Number	Clause Number	Description of Revision	Authorisation	Date
		New Issue – Phil Walter	G.Donald	Feb 2005
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 T1508 (other than minor editorial changes) are indicated by a vertical line in the margin as shown here.

Test method T1508

Determination of the low temperature resistance of strip filters during straightening

1. Scope

This test method sets out the method for determining the effect of low temperatures on the ability of a strip filter to be straightened without splitting and cracking.

The test method is derived from the method set out in Appendix D of AS 2439.1.

2. Apparatus

- (a) A water bath or cold cabinet capable of being maintained at less than 4°C.
- (b) A suitable mandrel of radius 300 ± 5 mm.
- (c) Rope or other suitable material for securing the specimen to the mandrel.

3. Preparation

Three test specimens of sufficient length to be able to be bent half a revolution around the mandrel. See Note (a).

4. Procedure

- (a) Bend the specimen half a revolution around the mandrel and secure in this position using rope or other suitable material. See Note (b).
- (b) Condition the test specimen secured on the mandrel in a water bath or cold cabinet maintained at less than 4°C for not less than 2 hours.
- (c) Remove the conditioned test specimen from the mandrel and within 30 seconds straighten the test specimen by hand on a flat surface.
- (d) Visually inspect the straightened specimen for splits and cracks.
- (e) After a further 2 hours visually inspect the straightened specimen for splits and cracks. See Note (c).

5. Reporting

- (a) Report the test date, tester's name, identifying coil/batch number and the presence or absence of splitting and/or cracking in the specimens initially and after 2 hours.
- (b) Report the temperature in the water bath or cold cabinet.
- (c) Report the time of conditioning.

6. Notes

- (a) Any geotextile wrap must be removed prior to testing
- (b) Do not exert longitudinal force on the test specimen while bending.
- (c) If the specimen will not lay flat after bending, a weight of a sufficient mass not to cause crushing may be placed on top to flatten the specimen for the 2 hour period.