



# Test method T1509

Determination of the high temperature  
impact resistance of strip filters

NOVEMBER 2012



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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 T1509 (other than minor editorial changes) are indicated by a vertical line in the margin as shown here.

# Test method T1509

## Determination of the high temperature impact resistance of strip filters

### 1. Scope

This test method sets out a method for determining the impact resistance of strip filters at elevated temperatures to splitting, cracking and indentation.

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

### 2. Apparatus

- (a) An oven or water bath capable of being maintained at  $50 \pm 2^\circ\text{C}$
- (b) A grooved support block capable of holding the strip filter firmly whilst in the vertical configuration. The support block shall be at least 300mm long
- (c) A hemispherical metal striker of radius  $50 \pm 1$  mm and mass  $1.00 +0.1, -0$  kg
- (d) A guide mechanism essentially frictionless which shall allow the striker to fall freely a distance of 0.5m onto the top of the specimen. The central vertical axis of the striker shall be aligned with the centre line of the groove in the holder

### 3. Preparation

Three test specimens of  $300 \pm 5$  mm in length of straight strip filter. See Note (a).

### 4. Procedure

- (a) Condition the test specimen in the oven or water bath maintained at  $50 \pm 2^\circ\text{C}$  for not less than 2 hours
- (b) Remove the conditioned specimen from the oven or water bath and within 30 seconds place it in the holder and allow the striker to fall  $0.50 +0.05, -0$  m onto the test specimen (be careful not to let the striker bounce and hit the specimen a second time). The central impact point of the striker shall be no closer than 100mm from the end of the specimen
- (c) Visually inspect the specimen for splits, cracks or significant indentation

### 5. Reporting

- (a) Report the test date, tester's name, identifying coil/batch number and the presence or absence of splitting, cracking and/or significant indentation in the specimens
- (b) Report the time of conditioning and the temperature of the oven or water bath

### 6. Notes

- (a) Any geotextile wrap must be removed prior to testing