



Test method T607

Bitumen content and aggregate grading (Reflux method)

NOVEMBER 2012



Revision Summary

Ed/Rev Number	Clause Number	Description of Revision	Authorisation	Date
Ed 1/Rev 0	All	Reformatted and Revision Summary Added. Safety Notes and 3(k) Added.	D. Dash	Jan 2000
Ed 2/Rev 0	All	New Issue. AS 2891.3.1 referenced	J Friedrich	November 2012
Ed 3/ 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 T607 (other than minor editorial changes) are indicated by a vertical line in the margin as shown here.

Test method T607

Bitumen content and aggregate grading (Reflux method)

1. Scope

This test method sets out the procedure to determine by hot solvent extraction, the bitumen content of bituminous mixtures containing residual bitumen, and subsequently the particle size distribution of the aggregate by sieve analysis.

2. General

- (a) The test is applicable to dense bituminous mixtures containing residual bitumen
- (b) The following document is referred to in this Test Method:
 - (i) AS 2891.3.1 Methods of sampling and testing asphalt - Bitumen content and aggregate grading - Reflux method

3. Apparatus, Preparation, Procedure, Calculations and Reporting

This test method is identical to AS 2891.3.1 except for the following amendments:

- (a) Calculate and report the filler to binder ratio as follows:

$$\text{Filler to Binder ratio} = \frac{P_{75}}{BC}$$

Where:

P_{75} = Mineral matter passing the 75 μm AS sieve as percent by mass of total aggregate.

BC = Binder content as percent by mass of total asphalt mix.

- (b) Include reference to this test method in the report