



**Transport**  
Roads & Maritime  
Services

# Test method T614

## Adhesion of binder in bituminous cold mix

NOVEMBER 2012



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## Revision Summary

Ed/Rev Number	Clause Number	Description of Revision	Authorisation	Date
		Reformatted and Revision Summary Added	D.Dash	Jan 2000
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 T614 (other than minor editorial changes) are indicated by a vertical line in the margin as shown here.

# Test method T614

## Adhesion of binder in bituminous cold mix

### 1. Scope

This test method sets out the procedure for visual estimation of the adhesion of binder in bituminous cold mix.

### 2. Apparatus

- (a) A metal mixing and quartering tray.
- (b) Mixing apparatus such as a steel tray, trowel and scoop.
- (c) A wire basket approximately 100 mm diameter by 50 mm deep.
- (d) A balance of 3.5 kg capacity, accurate and readable to 0.1 g within the operating range.
- (e) A constant temperature water bath, of sufficient depth to immerse the test sample completely, thermostatically controlled to maintain a temperature of  $60 \pm 0.5^\circ\text{C}$ .

### 3. Preparation of Sample

Transfer the sample to the mixing tray, mix well, reduce the size of the sample by quartering to obtain 50 g and place in the wire basket.

### 4. Procedure

- (a) Immerse the wire basket containing the 50 g sample in the water at  $60 \pm 0.5^\circ\text{C}$  for twelve hours.
- (b) After the period of immersion, remove the sample from the water, allow to drain and then spread on paper towelling.
- (c) By visual observation separate out particles which show signs of binder stripping. Any thin transparent areas are to be considered as completely coated.

### 5. Reporting

Report the approximate percentage of stones stripped.

### 6. Techniques

Areas of stone having only a thin transparent coating of binder may be regarded as adequately coated.