

## Test Method

# Stripping of Aggregate from Sprayed Seals

## RC 317.03

### 1. Scope

This method sets out the procedure for determining the degree of stripping of a single coat sprayed seal with nominal aggregate size of 10 mm or larger.

### 2. Apparatus

- Tape measure and crayon or template to define a 300 mm x 300 mm square.
- Hand broom.
- Standard test aggregate of the same nominal size as the seal to be tested and prepared in the laboratory to meet the following requirements:
  - flakiness index not greater than 25;
  - size 10 mm aggregate shall all pass the 9.50 mm sieve and be retained on the 6.70 mm sieve; and
  - size 14 mm aggregate shall all pass the 13.2 mm sieve and be retained on the 9.50 mm sieve.

### 3. Procedure

- Select and record the length and location of test lots of single traffic lane or sealed shoulder which is of similar visual appearance, as specified in VicRoads Standard Specification Section 408.12 (b)

- Select a test site within the lot where aggregate stripping is visually the most severe and sweep using the hand broom.
- Mark out a 300 mm x 300 mm square at the test site using the template or the tape measure and crayon.
- Pack aggregate particles in the areas where aggregate loss has exposed binder within the boundary of the 300 mm x 300 mm square. The aggregate packing should be such that it neatly fills the spaces left by the stripped aggregate.
- Remove and count the number of loose aggregate particles packed in the 300 mm x 300 mm square in (d) above.
- Determine the degree of stripping for the lot from Table 1 and record the result.
- Repeat steps (a) to (f) for each lot.

### 4. Report

Report the following:

- The number, location and length of each lot.
- The degree of stripping for each lot.

**Table 1 - Determination of the Degree of Stripping**

Number of Aggregate Particles Required to Cover Stripped Areas within the 300 mm x 300 mm Square	Degree of Stripping 10 mm Aggregate	Degree of Stripping 14 mm Aggregate
0 to 5	1	2
6 to 10	2	3
11 to 15	3	5
16 to 20	4	7
21 to 25	6	8
26 to 30	7	10
31 to 35	8	12
36 to 40	9	13
41 to 45	10	15
46 to 50	11	17

### Test Method - Revision Summary

#### RC 317.03 Stripping of Aggregate from Sprayed Seals

Date	Clause Number	Description of Revision	Authorised by
December 2012	Full document	Re-styled with minor corrections made	Principal Advisor – Pavements & Materials