Test Method

Particle Size Distribution of Sealing Aggregate

RC 375.11

March 2018

1. Scope

This method applies to the determination of particle size distribution of sealing aggregate, to be supplied in accordance with VicRoads Standard Specification Section 831 – *Aggregates for Sprayed Bituminous Surfacing*. Sealing aggregate shall be considered as a one-sized aggregate.

Note: The method does not apply to the determination of particle size distribution for any other materials.

2. Procedure and Reporting

This shall be in accordance with AS 1141.11.1 - *Particle size distribution – Sieving method*, except for the following changes:

Clause of AS 1141.11.1	Action	Changed text for RC 375.11					
4 (a)	Replace with new text	Balance of sufficient capacity, readable to at least 0.1 g and with a limit of performance not exceeding 0.5 g.					
5.1	Replace Table 1 – *Minimum mass of test portion for sieving*, with new text, and Add Note	Nominal size (mm)	20	14	10	7	5
		One-sized aggregate (g)	1500	700	500	500	500
		Note: Sieves must not be overloaded, see AS 1141.11.1, step 6(c) and Table 2. If appropriate, divide the test portion into approximately equal sub-portions.					
5.6	Replace first line with new text,	The test portion shall be washed over a 75 µm sieve as follows: (sub-clauses (a), (b), (c), (d) are unchanged and still apply)					
6(b)	Add new paragraph 2	At each weighing or calculation step, record the mass to the nearest 0.1 g for: (i) initial dry mass (M_1) (ii) dry mass after washing on 75 µm (M_2) (iii) mass washed through 75 µm sieve (M_3) (iv) mass of material quartered from 300 mm diameter pan (M_5) (v) mass on pan after passing 75 µm (M_9)					
8(a)	Replace with new text, as appropriate	(a) The percentage of material passing each sieve of aperture 150 µm and greater to the nearest whole number; and the percentage of material passing the 75 µm sieve to the nearest 0.1 %.					
8(d)	Replace with new text	(d) The number of this Test Method, i.e. RC 375.11.					

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VicRoads Test Method - Revision Summary

RC 375.11 – Particle Size Distribution of Sealing Aggregate

Date	Clause	Description of Revision	Authorised by
March 2018	Full method	New Issue	Manager – Construction Materials