

Australian Standard™

Methods for sampling and testing aggregates

Method 25.3: Degradation factor—Fine aggregate

This Standard incorporates Amendment No. 1 (August 2019). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

1 SCOPE

This Standard sets out the method for the determination of the degradation factor of fine aggregate or the fine portion of a mixed aggregate. It categorizes the fines produced by self-abrasion in the presence of water.

NOTE: This Method is suitable for use as a production test.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

1141 Methods of sampling and testing aggregates
 A1 | 1141.1 Part 1: Definitions
 1141.2 Method 2: Basic test equipment

A1 | [Text deleted]

1289 Methods of testing soils for engineering purposes
 1289.3.7.1 Method 3.7.1: Determination of the sand equivalent of a soil using a power-operated shaker

ASTM

D2419 Standard Test Method for Sand Equivalent Value of Soils and Fine Aggregate

3 DEFINITIONS

For the purpose of this Standard the definitions in AS 1141.1 apply.

4 APPARATUS

A1 | The following apparatus, conforming to the relevant provisions of AS 1141.2 and the requirements given below, is required:

- (a) *Brushes*—sieve cleaning brushes.
- (b) *Balance*—of sufficient capacity with a limit of performance not exceeding ± 0.5 g.
- (c) *Measuring cylinders*—two, of—
 - (i) 500 mL capacity, graduated at 100 mL intervals, with rubber or plastic stopper.
 - (ii) 10 mL capacity, graduated at 1 mL intervals.