

Australian Standard™

Methods for sampling and testing aggregates

Method 25.1: Degradation factor—Source rock

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 rock spalls and drill cores. The test categorizes the fines produced by self-abrasion in the presence of water.

NOTE: This Method is based on Washington State Highways Department (WSHD) Test Method No. 1134, *Method of Test for Determination of Degradation Value*. Most of the experience with this Method has been with basic igneous rocks and it may be applied to other igneous, metamorphic and sedimentary rock.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

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

A1 | [Text deleted]

- | | | |
|--|------------|---|
| | 1289 | Methods of testing soils for engineering purposes |
| | 1289.3.7.1 | Method 3.7.1 Soil classification tests—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:

- Balance*—of sufficient capacity, with a limit of performance not exceeding ± 0.5 g.
- Basket(s)*—woven wire mesh washing basket(s) with mesh openings between 1 mm and 2 mm.
- Brushes*—sieve-cleaning brushes.