

Australian Standard™

AS 1141.25.1

Methods for sampling and testing aggregates

Method 25.1: Degradation factor—Source rock

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 test 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 test 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

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| 1141 | Methods for sampling and testing aggregates |
| 1141.1 | Method 1: Definitions |
| 1141.2 | Method 2: Basic testing equipment |
| 1152 | Specification for test sieves |
| 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 |

3 DEFINITIONS

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

4 APPARATUS

The following apparatus, complying with the requirements of AS 1141.2, is required:

- Balance*—of sufficient capacity, with a limit of performance not exceeding $\pm 5\text{g}$.
- Baskets*—woven wire mesh washing baskets, four required, with mesh openings between 1 mm and 2 mm.
- Brushes*—sieve-cleaning brushes.
- Canister*—plastic, approximately 190 mm diameter by 152 mm high, with tightly fitting lid.
- Crusher*—or other suitable equipment, for reducing the spalls or drill cores, or both, to the required size.
- Scalping screen*—or other suitable equipment, with aperture size 12 mm min. to 19 mm max. (see Clause 6(c)).