

Australian Standard™

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

- 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:

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