

# Australian Standard<sup>®</sup>

## Methods for sampling and testing aggregates

### Method 22: Wet/dry strength variation

*This Standard incorporates Amendment No. 1 (April 2016). 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 determining the variation in strength of aggregate tested in both the oven dry and saturated surface dry condition.

A1 | NOTE: This test may be performed on a range of size fractions, and on crushed spalls or crushed drill core.

#### 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
- 2193 Calibration and classification of force-measuring systems

##### ISO

- 3310 Test sieves—Technical requirements and testing
- 3310-1 Part 1: Test sieves of metal wire cloth
- 3310-2 Part 2: Test sieves of perforated metal plate

#### 3 DEFINITION

For the purpose of this Standard, the definitions in AS 1141.1 and the one below apply.

##### 3.1 Strength

The crushing force which, when applied to a known mass of coarse aggregate, will produce fines amounting to 10 percent of the dry mass of a test portion.

#### 4 APPARATUS

The following apparatus, complying with the relevant provisions of AS 1141.2, shall be required:

- (a) *Absorbent cloth or towelling.*