

Australian Standard[®]

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.