

# Australian Standard<sup>®</sup>

## Methods for preparation and testing of stabilized materials

### Method 2.2: Sampling—Preparation of stabilized pavement materials

AS 5101.2.2—2008

#### 1 SCOPE

This Standard sets out the method for the addition in the laboratory of cementitious stabilizing binders such as lime, blended lime mixtures, cement, blended cements, bituminous or other materials to soils, gravels and crushed rock pavement materials, in preparation for use in an appropriate test method.

The size fraction of the material to be prepared will depend on the tests to be performed on the stabilized material. For unconfined compressive strength tests and California bearing ratio tests, the fraction used has to be that passing the 19.0 mm sieve.

NOTE: The binders usually used for stabilized pavements are covered by the following Standards:

- (a) Limes, AS 1672.1.
- (b) Cements, AS 3972.
- (c) Bitumens, AS 1160 and AS 2157.

#### 2 REFERENCED DOCUMENTS

The following Standards are referred to in this Standard.

AS

- |            |  |
|------------|--|
| 1141       | Methods for sampling and testing aggregates  |
| 1141.2     | Method 2: Basic testing equipment  |
| 1152       | Specification for test sieves  |
| 1160       | Bitumen emulsions for construction and maintenance of pavements  |
| 1289       | Method of testing soils for engineering purposes   |
| 1289.1.2.1 | Method 1.2.1: Sampling and preparation of soils—Disturbed samples—Standard method  |
| 1289.2.1.1 | Method 2.1.1: Soil moisture content tests—Determination of the moisture content of soil—Oven drying method (Standard method) |
| 1289.2.1.2 | Method 2.1.2: Determination of the moisture content of a soil—Sand bath method (subsidiary method)                           |
| 1289.2.1.4 | Method 2.1.4: Determination of the moisture content of a soil—Microwave-oven drying method (subsidiary method)               |
| 1289.2.1.5 | Method 2.1.5: Determination of the moisture content of a soil—Infrared lights method (subsidiary method)                     |
| 1289.2.1.6 | Method 2.1.6: Determination of the moisture content of a soil—Hotplate drying method (subsidiary method)                     |