

Australian/New Zealand Standard™

Methods of testing portland, blended and masonry cements

Method 17: Determination of soundness of masonry cement

AS/NZS 2350.17:2006

1 SCOPE

This Standard sets out the method for determining the soundness of masonry cements using a paste of normal consistency.

NOTES:

- 1 The testing procedure herein may involve the use of materials or equipment that require safety measures to be observed.
- 2 This Standard does not purport to address all of the safety concerns, if any, associated with its use.
- 3 The user of this Standard should establish appropriate safety and health practices, and determine the applicability of regulatory limitations prior to use.

2 REFERENCED DOCUMENTS

The following document is referred to in this Standard:

AS/NZS

- 2350 Methods of testing of portland, blended and masonry cements
2350.1 Method 1: Sampling
2350.3 Method 3: Normal consistency

3 PRINCIPLE

A measure of the soundness is given by an increase in volume of the hardened cement paste as indicated by an increase in the gauge length of a test specimen after autoclaving.

4 APPARATUS AND RELATED CONDITIONS

4.1 Laboratory

The air within the laboratory in which the specimens are made and tested shall be maintained at a temperature of $23 \pm 2^\circ\text{C}$ and a relative humidity of not less than 50%. The humidity-controlled room or cabinet for storing the specimen in the mould shall be continuously maintained at a temperature of $23 \pm 2^\circ\text{C}$ and a relative humidity of not less than 90%.