

Australian/New Zealand Standard™

Methods of testing portland, blended and masonry cements

Method 11: Compressive strength

AS/NZS 2350.11:2006

1 SCOPE

This Standard sets out the reference method for determining the compressive strength of cement.

NOTES:

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

2 REFERENCED AND RELATED DOCUMENTS

2.1 Referenced documents

The following documents are referred to in this Standard:

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| 1100 | Technical drawing |
| 1100.201 | Part 201: Mechanical engineering drawing |
| 2350 | Methods of testing portland, blended and masonry cements |
| 2350.12 | Method 12: Preparation of a standard mortar and moulding of specimens |
| 2193 | Calibration and classification of force-measuring systems |

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| 2350 | Methods of testing portland, blended and masonry cements |
| 2350.1 | Method 1: Sampling |
| 2350.18 | Method 18: Determination of water retention of masonry cement |

2.2 Related documents

Attention is drawn to the following related documents:

- Manual for the testing of cement strength—Cembureau, the European Cement Association.
- ISO/CEN Mortar prism test for cement strength—Operator's manual, Cement Concrete & Aggregates Australia.

3 PRINCIPLE

The method measures the compressive strength using prismatic test specimens 40 × 40 × 160 mm in size.

The mortar is prepared in accordance with AS 2350.12 for portland and blended cements, and in accordance with AS/NZS 2350.18 for masonry cements. All cements are moulded in accordance with AS 2350.12.