

## Carry out routine tests on hardened concrete

**Level** 3

**Credits** 5

**Purpose** People credited with this unit standard are able to describe methods of testing, and test, hardened concrete; and complete work operations.

**Subfield** Concrete

**Domain** Concrete Core Skills

**Status** Registered

**Status date** 20 November 2009

**Date version published** 20 November 2009

**Planned review date** 31 December 2014

**Entry information** Open.

**Accreditation** Evaluation of documentation and visit by NZQA and industry.

**Standard setting body (SSB)** Building and Construction Industry Training Organisation

**Accreditation and Moderation Action Plan (AMAP) reference** 0048

This AMAP can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

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### Special notes

- 1 Definition  
*Workplace practice* refers to the documented procedures specific to a workplace which set out the standard and required practices of that workplace.
- 2 Credit for this unit standard indicates compliance with industry practice. *Industry practice* refers to the ability to demonstrate knowledge and skills that reflect the uniformity, finish quality, and material economies currently accepted within industry.
- 3 Legislation and publications relevant to this unit standard include:  
Health and Safety in Employment Act 1992 and Health and Safety Regulations 1995;  
NZS 3104:2003 *Specification for concrete production*, and NZS 3112.2:1986  
*Methods of test for concrete – Tests relating to the determination of strength of concrete*, available from Standards New Zealand (<http://www.standards.co.nz>).

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## Elements and performance criteria

### Element 1

Describe methods of testing, and test, hardened concrete.

#### Performance criteria

- 1.1 Methods of testing hardened concrete are described in terms of testing for density, compressive strength, tensile strength, and flexural strength.
- 1.2 Hardened concrete is tested to determine density and compressive strength in accordance with workplace practice and NZS 3112.

### Element 2

Complete work operations.

#### Performance criteria

- 2.1 All operations are safely completed, workplace and equipment are cleaned in accordance with workplace practice and environmental safety requirements, and routine maintenance is carried out in accordance with workplace practice.
- 2.2 All documentation is completed in accordance with workplace practice.

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### Please note

Providers must be accredited by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by NZQA before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

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### Comments on this unit standard

Please contact the Building and Construction Industry Training Organisation [national.office@bcito.org.nz](mailto:national.office@bcito.org.nz) if you wish to suggest changes to the content of this unit standard.