

<b>Title</b>	<b>Cast concrete cylinders for compression testing</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>2</b>

<b>Purpose</b>	People credited with this unit standard are able to cast concrete cylinders for compression testing and complete work operations.
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<b>Classification</b>	Concrete > Concrete Core Skills
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 Definitions  
*Specifications* refer to documented instructions (oral, written, graphic) and may include any of the following: manufacturer's specifications, recommendations or technical data sheets; material specifications; specifications from a specialist source such as an architect, designer, engineer or a supervisor; site or work specific requirements.  
*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 productivity, 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 in Employment 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 NZ (<http://www.standards.co.nz>).

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### Outcomes and performance criteria

#### Outcome 1

Cast concrete cylinders for compression testing.

#### Performance criteria

- 1.1 Concrete samples are collected and cylinders are made in accordance with NZS 3104.

- 1.2 Cylinders are stored for curing in accordance with NZS 3112 and workplace practice.
- Range one of – remote temperature match control, controlled environment, site cured.
- 1.3 Cylinders are removed from mould after specified time in accordance with NZS 3112 and workplace practice.
- 1.4 All documentation related to cylinders is completed in accordance with NZS 3104, NZS 3112, and workplace practice.

## Outcome 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.

**This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.**

### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	20 November 2009	31 December 2023
Review	2	28 October 2021	31 December 2023

### Consent and Moderation Requirements (CMR) reference

0048

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