

Title	Place concrete for flatwork and structural concrete elements		
Level	3	Credits	4

Purpose	<p>This unit standard is intended for those working in the concrete construction industry.</p> <p>People credited with this standard are able to place concrete for flatwork and structural concrete elements to commercial standards.</p>
----------------	--

Classification	Concrete > Concrete Construction
-----------------------	----------------------------------

Available grade	Achieved
------------------------	----------

Guidance Information

1 Assessment

This unit standard is intended to align with the *New Zealand Certificate in Concrete Construction Skills Specifications* and the *New Zealand Certificate in Concrete Construction Skills (Level 3)* [Ref: 4189].

Evidence for this standard must reflect commercial standards.

Commercial standards refer to verbal and written information covering company policy, standard operating procedures and processes, and job-specific instructions.

Working to commercial standards refers to the ability to consistently:

- perform standard processes to current industry standards, on demand and within a commercially acceptable timeframe;
- perform non-standard processes to current industry standards, on demand and within a commercially acceptable timeframe, under the supervision of a commercially competent practitioner.

Working to commercial standards must be confirmed by a person with current expertise in placing and finishing concrete.

2 Definition

Workplace procedures refers to the documented procedures specific to a workplace that set out the standards and required practices of that workplace.

3 Legislation, standards and guidance information relevant to this standard includes the following; and any subsequent amendments and replacements.

New Zealand Certificate in Concrete Construction Skills – Specifications, BCITO, May 2021, accessed at www.bcito.org.nz.

Legislation accessed at www.legislation.govt.nz

- Building Act 2004
- Health and Safety at Work Act 2015
- Resource Management Act 1991
- Health and Safety at Work (General Risk and Workplace Management) Regulations 2016.

Standards accessed at www.standards.govt.nz

- NZS 3101.1&2:2006 *Concrete structures*
- NZS 3109:1997 *Concrete construction*
- NZS 3124:1987 *Specification for concrete construction for minor works.*

Guidelines and Approved Codes of Practice accessed at www.worksafe.govt.nz for the following topics:

- *Manual handling*
- *Management of substances hazardous to health*
- *Management of noise.*

Skill specification and performance level guidance

Skill specification

Place concrete for flatwork and structural concrete elements.

Knowledge

The checks undertaken prior to concrete placing for flatwork and structural concrete elements.

Range includes preparation of the base, installation of damp proof membrane, placement, securing of cast-ins and reinforcing, lines, levels, falls, integrity and stability of site confirmed.

The requirements for moving fresh concrete on-site.

Range includes – access, ground conditions, headroom and clearances, distribution equipment.

The processes for reviewing fresh concrete prior to placing.

The methods used to place fresh concrete for flatwork.

The methods used to form joints in fresh concrete.

The methods used to place concrete in formwork.

The methods used to compact concrete.

Range includes – for flatwork, in formwork.

Skills

Check pre-pour work for suitability prior to concrete placing.

Place concrete for flatwork according to job specifications.

Place concrete in formwork according to job specifications.

Compact concrete.

Performance level guidance

Performance must reflect current regulatory, industry and commercial standards relevant to placing concrete.

Processes for pre-pour checks and reviewing fresh concrete must be according to workplace procedures.

Planned review date	31 December 2026
----------------------------	------------------

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	28 October 2021	N/A

Consent and Moderation Requirements (CMR) reference	0048
--	------

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

Comments on this unit standard

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