

National Certificate in Concrete Construction (Placing and Finishing) (Level 3)

Level 3

Credits 117

This qualification has been **reviewed**. The last date to meet the requirements is 31 December 2023.

Transition Arrangements

This qualification was republished in December 2021 to extend the last date for entry to programmes from 31 December 2021 to 30 June 2022. The last date for assessment has been extended from 31 December 2022 to 31 December 2023, when it will be discontinued.

This qualification has been replaced by the New Zealand Certificate in Concrete Construction Skills (Level 3) with strands in Formwork, Reinforcing, Placing and Finishing, Specified Concrete Finishes, Concrete Product Manufacture, Concrete Sawing and Drilling, and Precast Concrete Manufacture [Ref: 4189].

People currently working towards this qualification must either complete the requirements by 31 December 2023 or transfer to the replacement New Zealand qualification.

For detailed information see [Review Summaries](#) on the NZQA website.

This qualification contains standards that replace earlier standards. For the purposes of this qualification, people who have gained credit for the expiring standards are exempt from the requirement to gain credit for the replacement standards – see table below.

Credit for	Exempt from
6400	26551, 26552
6401	26552
6402	26551
8492	26627
24378	26627

It is not intended that anyone is disadvantaged by this review. However, anyone who feels they have been disadvantaged may appeal to the Building and Construction Industry Training Organisation at the address below.

NZQF National Qualification Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	18 March 2011	31 December 2021
Revision	2	24 January 2019	31 December 2021
Republication	2	28 November 2019	31 December 2021
Republication	2	26 March 2020	31 December 2021
Republication	2	26 November 2020	31 December 2021
Republication	2	24 June 2021	31 December 2022
Republication	2	16 December 2021	31 December 2023

Standard Setting Body

Waihanga Ara Rau Workforce Development Council
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 Website www.waihanga.nz

Reviewed

National Certificate in Concrete Construction (Placing and Finishing) (Level 3)

Level	3
Credits	117

Purpose

The National Certificate in Concrete Construction (Placing and Finishing) (Level 3) [Ref: 1633] is designed for people who want to work in the concrete construction industry as concrete placing and finishing workers. It also provides a means of recognising current competence for those already working in the industry.

The qualification includes a Compulsory section which recognises the core skills and knowledge required by industry for concrete placing and finishing workers. These skills and knowledge relate to first aid; health and safety; maintaining plant and equipment; environmental management; measurement; reading plans; taking levels on site; preparation of footings and foundations; fabrication and placement of reinforcing; placement and finishing of concrete, exposed aggregate, and integrally coloured concrete; application of dryshake toppings to concrete flatwork; transportation and curing of fresh concrete; and creation of joints.

The Elective section includes standards which cover defects and remedial work; testing fresh concrete; fixing reinforcing; cutting and drilling concrete; placing and finishing imprint and stencilled concrete; applying decorative finishes to hardened concrete; surveying the flatness of concrete floors; and placing and finishing super flat floors. This allows for some flexibility in obtaining the knowledge and skills required of competent concrete placing and finishing workers depending on the type of construction work available to candidates while completing the qualification.

The qualification builds on the underpinning knowledge and skills provided by the National Certificate in Concrete Core Skills (Level 2) [Ref: 1452], and shares standards in common with other qualifications in the Concrete subfield at Level 3 and above, allowing transferable skills to be recognised between the different sectors of the concrete industry.

Replacement Information

This qualification, the National Certificate in Precast Concrete (Level 3) with strands in Structural Precast, Prestressing, Precast Tank, and Traditional Tank [Ref: 1635], and the National Certificate in Concrete Construction (Level 4) [Ref: 1634] replaced the National Certificate in Concrete Construction with strands in Sitework, Pre-cast Concrete, and Placing and Finishing [Ref: 0732].

Special Notes

- 1 It is expected that candidates for this qualification will have an existing basic knowledge of concrete industry practices. Consequently, standards 24879, 24880, 24881, 24882 and 24883, or the demonstration of equivalent knowledge and skills, are a prerequisite for entry to this qualification.
- 2 Due to the health and safety requirements of the sites in which these trade skills are applied, people entering programmes of education and training leading to the award of this qualification must demonstrate the capacity to understand any and all requirements, instructions, and communications (oral, written and graphic), to the required industry level. This might be evidenced by standards or achievement standards from the *Communication Skills* and *English* subfields at Level 2 or above, or the demonstration of equivalent knowledge and skills.
- 3 Recognition of current competence acknowledges the skills and knowledge gained from work and experience, or from courses or study undertaken. Assessment of recognition of current competence may be conducted by an assessor appointed by the Building and Construction Industry Training Organisation, or an accredited provider.

Application for recognition of current competence may be initiated by contacting the Building and Construction Industry Training Organisation.

Credit Range

	Compulsory	Elective
Level 1 credits		-
Level 2 credits	26	-
Level 3 or above credits	76	15–38
Minimum totals	102	15

Requirements for Award of Qualification

Award of NZQF National Qualifications

Credit gained for a standard may be used only once to meet the requirements of this qualification.

Unit standards and achievement standards that are equivalent in outcome are mutually exclusive for the purpose of award. The table of mutually exclusive standards is provided on the New Zealand Qualifications Authority (NZQA) website: <http://www.nzqa.govt.nz/qualifications-standards/standards-exclusion-list/>.

Reviewed standards that continue to recognise the same overall outcome are registered as new versions and retain their identification number (ID). Any version of a standard with the same ID may be used to meet qualification requirements that list the ID and/or that specify the past or current classification of the standard.

Summary of Requirements

- Compulsory standards
- Elective – A minimum of 3 standards as specified

Detailed Requirements

Compulsory

The following standards are required

Core Generic > Core Generic > Work and Study Skills

ID	Title	Level	Credit
26627	Use measurement to solve problems	1	3

Engineering and Technology > Civil Works and Services > Civil Infrastructure Health, Safety, and Environment

ID	Title	Level	Credit
20877	Demonstrate knowledge of working safely at sites under temporary traffic management	2	1

Health > Health Studies > First Aid

ID	Title	Level	Credit
26551	Provide first aid for life threatening conditions	2	1
26552	Demonstrate knowledge of common first aid conditions and how to respond to them	2	1

Planning and Construction > Concrete > Concrete Construction

ID	Title	Level	Credit
18513	Place and finish exposed aggregate concrete for concrete construction on site	3	8
26048	Place and finish concrete for concrete construction on site	3	15
26049	Demonstrate knowledge of and create concrete joints	3	4
26374	Place and finish integrally coloured concrete for concrete construction on site	3	6
26377	Place and finish dryshake toppings to concrete flatwork for concrete construction on site	3	6

Planning and Construction > Concrete > Concrete Core Skills

ID	Title	Level	Credit
26050	Demonstrate knowledge of transporting fresh concrete, and transport fresh concrete in own workplace	2	3
26051	Demonstrate knowledge, and carry out curing, of concrete	2	8

ID	Title	Level	Credit
26057	Read and interpret concrete industry drawings and specifications	2	3
26058	Demonstrate knowledge of environmental management within the concrete industry	3	5
26060	Demonstrate knowledge of, safely use, and maintain concrete industry plant and equipment	2	6
26061	Prepare to perform concrete industry operations	2	3

Planning and Construction > Construction Trades > Carpentry

ID	Title	Level	Credit
13042	Set up levelling equipment and take levels on construction sites	4	5
13043	Excavate and prepare for footings and slab on ground on site	3	8

Planning and Construction > Construction Trades > Carpentry Theory

ID	Title	Level	Credit
13005	Demonstrate knowledge of spot levels and contour plans	4	3
13008	Demonstrate knowledge of formwork for footings, foundations, beams and walls up to 1.2 metres	3	4
13009	Demonstrate knowledge of fabrication and placing of reinforcing steel and steel mesh	3	1
24378	Perform building calculations	3	4

Planning and Construction > Construction Trades > Core Construction

ID	Title	Level	Credit
12997	Demonstrate knowledge of safe working practices on construction sites	3	3
13036	Carry out safe working practices on construction sites	4	4

Elective

A minimum of 3 standards

Planning and Construction > Concrete > Concrete Construction

ID	Title	Level	Credit
12027	Fix reinforcing steel for concrete construction on site	3	5
12042	Cut and drill concrete for concrete construction on site	3	15
18514	Place and finish imprint concrete for concrete construction on site	3	8
18515	Place and finish stencilled concrete for concrete construction on site	3	6

ID	Title	Level	Credit
26375	Apply decorative finishes to hardened concrete on site	3	8
26378	Place and finish super flat concrete floors for concrete construction on site	3	8
26379	Survey the flatness of concrete floors for concrete construction on site	4	8

Planning and Construction > Concrete > Concrete Core Skills

ID	Title	Level	Credit
26052	Demonstrate knowledge of defects and carry out remedial work on concrete	3	15
26053	Carry out routine tests on fresh concrete	3	5

Other standard setting bodies whose standards are included in the qualification

Connexis
NZQA

Certification

This certificate will display the logos of NZQA, the Building and Construction Industry Training Organisation, and the organisation that has been granted consent to assess against standards that meet the requirements of the qualification (accredited).

Classification

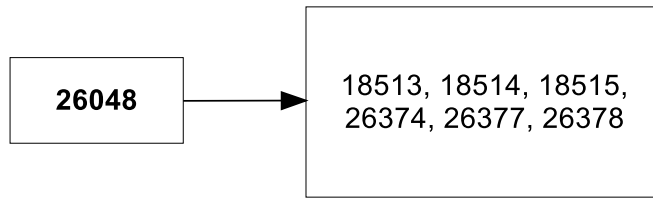
This qualification is classified according to the classification system listed on the Directory of Assessment Standards (DAS) and the New Zealand Standard Classification of Education (NZSCED) system as specified below.

DAS Classification		NZSCED	
Code	Description	Code	Description
2098	Planning and Construction > Concrete > Concrete Construction	040399	Architecture and Building > Building > Building not elsewhere classified

Quality Management Systems

Providers and Industry Training Organisations must be granted consent to assess by a recognised Quality Assurance Body before they can register credits from assessment against standards. Accredited providers and Industry Training Organisations assessing against standards must engage with the moderation system that applies to those standards. Accreditation requirements and the moderation system are outlined in the associated Consent and Moderation Requirements (CMR) for each standard.

Recommended Diagram



Level 3

Reviewed