

## Field Planning and Construction

### Review of *Concrete* unit standards

Subfield	Domain	ID
Concrete	Concrete Construction	12041, 18513, 26048
	Concrete Core Skills	24879, 24880, 26051-26053, 26063
	Concrete Production	26219
	Concrete Product Manufacture	27194, 27195
	Concrete Technology	12020, 12021
	Precast Concrete	26070

Waihanga Ara Rau Construction and Infrastructure Workforce Development Council has completed the review of the unit standards listed above.

**Date new versions published**

**November 2022**

**Planned review date**

**December 2027**

### Summary

Waihanga Ara Rau WDC carried out the review of concrete unit standards from May 2022 - September 2022. The consultation included industry representatives, BCITO, Concrete New Zealand, MITO, Land Based Training, and providers with consent to assess. Consultation involved email and online meetings to confirm that the unit standards in this review remain fit for purpose.

### Main changes

- Six unit standards, 12020, 24879, 26048, 26053, 26063 and 26219 had minor wording changes.
- Nine unit standards were set to expire as they are no longer required by industry.
- Unit standard 26053 credits was increased from 5 to 10 as a result of the recommendations made by the Technical Advisory Group. NZS 3112 involves testing procedures that require a range of knowledge and understanding to carry out as per industry practice. It was recommended that 10 credits are more in line with the practices required to carry out the testing to industry standard.
- Guidance information has been updated throughout to align with current publications.

**Category D unit standards will expire at the end of December 2024.**

**The last date for assessment of superseded versions of Category B unit standards is December 2024**

### Detailed list of unit standards – classification, title, level, and credits

All changes are in **bold**

Key to review category	
<b>A</b>	Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new version number
<b>B</b>	Changes made, but the overall outcome remains the same - the new version of the standard carries the same ID and a new version number
<b>C</b>	Major changes that necessitate the registration of a replacement standard with a new ID
<b>D</b>	Standard will expire and not be replaced

Planning and Construction > Concrete > Concrete Construction

ID	Title	Level	Credit	Review Category
12041	Coordinate delivery of and erect precast concrete units on site	3	8	D
18513	Place and finish exposed aggregate concrete for concrete construction on site	3	8	D
26048	Place and finish concrete for concrete construction on site	3	15	B

Planning and Construction > Concrete > Concrete Core Skills

ID	Title	Level	Credit	Review Category
24879	Demonstrate knowledge of concrete materials and the concrete production process	2	8	B
24880	Demonstrate knowledge of the concrete industry	2	8	D
26051	Demonstrate knowledge, and carry out curing, of concrete	2	8	D
26052	Demonstrate knowledge of defects and carry out remedial work on concrete	3	15	D
26053	Carry out routine tests on fresh concrete	3	5 10	B
26063	Carry out routine tests on hardened concrete	3	5	B

Planning and Construction > Concrete > Concrete Production

ID	Title	Level	Credit	Review Category
26219	Demonstrate knowledge of maintenance and transportation requirements to convey ready mixed concrete to sites by truck	3	4	B

Planning and Construction > Concrete > Concrete Product Manufacture

ID	Title	Level	Credit	Review Category
27194	Produce precast concrete pipes	3	40	D
27195	Produce concrete for concrete pipe manufacture	3	5	D

Planning and Construction > Concrete > Concrete Technology

ID	Title	Level	Credit	Review Category
12020	Demonstrate knowledge of concrete materials technology	4	8	B
12021	Demonstrate knowledge of concrete construction technology	3	7	D

Planning and Construction > Concrete > Precast Concrete

ID	Title	Level	Credit	Review Category
26070	Assemble and service moulds, and demould products for precast concrete product manufacture	3	8	D