

NZS 3104:2021

NEW ZEALAND STANDARD

Specification for concrete production

Superseding NZS 3104:2003

NZS 3104:2021

COMMITTEE REPRESENTATION

This standard was prepared by the P3104 Specification for Concrete Production Committee. The membership of the committee was approved by the New Zealand Standards Approval Board and appointed by the New Zealand Standards Executive under the Standards and Accreditation Act 2015.

The committee consisted of representatives of the following nominating organisations:

Co-opted Chair

Building Research Association of New Zealand (BRANZ)

Concrete New Zealand

Concrete New Zealand – Precast Sector Group

Concrete New Zealand – Learned Society

Concrete New Zealand – Readymix Sector Group

Engineering New Zealand

Structural Engineering Society New Zealand (SESOC)

ACKNOWLEDGEMENT

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NOTES

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REFERENCED DOCUMENTS

Reference is made in this document to the following:

New Zealand standards

NZS 3101:2006	Concrete structures standard
NZS 3109:1997	Concrete construction
NZS 3111:1986	Methods of test for water and aggregate for concrete
NZS 3112:----	Methods of test for concrete
Part 1:1986	Tests relating to fresh concrete
Part 2:1986	Tests relating to the determination of strength of concrete
NZS 3121:2015	Water and aggregate for concrete
NZS 3122:2009	Specification for Portland and blended cements (General and special purpose)
NZS 3123:2009	Specification for pozzolan for use with Portland and blended cement
NZS 3125:1991	Specification for portland-limestone filler cement
NZS 3604:2011	Timber-framed buildings
NZS 4210:2001	Masonry construction: Materials and workmanship
NZS 4229:2013	Concrete masonry buildings not requiring specific engineering design

Joint Australian/New Zealand standards

AS/NZS 3582:----	Supplementary cementitious materials
Part 1:2016	Fly ash
Part 3:2016	Amorphous silica

International standards

ASTM C685/685M-17	Standard specification for concrete made by volumetric batching and continuous mixing
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Australian standards

AS 1478:----	Chemical admixtures for concrete, mortar and grout
Part 1:2000	Admixtures for concrete
AS 3582:----	Supplementary cementitious materials slag
Part 2:2016	Ground granulated blast-furnace

Other publications

Cement and Concrete Association of New Zealand (CCANZ). TR 3 Alkali silica reaction: Minimising the risk of damage to concrete: Guidance notes and recommended practice. 2nd ed incorporating Amendment 1. CCANZ, 2012. Available at https://cdn.ymaws.com/concretenz.org.nz/resource/resmgr/docs/legacy/CCANZ_TR03_ASR_2012.pdf (retrieved 14 January 2021)

Cement and Concrete Association of New Zealand (CCANZ). TR 10 Specifying concrete for performance. 3rd ed. CCANZ, 2013. Available at https://cdn.ymaws.com/concretenz.org.nz/resource/resmgr/docs/ccanz/ccanz_tr10.pdf (retrieved 14 January 2021)

NZQA unit standard 26053 Carry out routine tests on fresh concrete

NZQA unit standard 26055 Cast concrete cylinders for compression testing

NZQA unit standard 26063 Carry out routine tests on hardened concrete

New Zealand legislation

Weights and Measures Regulations 1999

Websites

www.legislation.govt.nz

LATEST REVISIONS

The users of this standard should ensure that their copies of the above-mentioned New Zealand standards are the latest revisions. Amendments to referenced New Zealand and joint Australian/New Zealand standards can be found on www.standards.govt.nz.

REVIEW OF STANDARDS

Suggestions for improvement of this standard will be welcomed. They should be sent to the Manager, Standards New Zealand, PO Box 1473, Wellington 6140.