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NZS 3106:2009 Design of concrete structures for the storage of liquids

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Abbreviation

NZS 3106:2009

Valid from

28/07/2009

Replaces

[NZS 3106:1986](#)

Information provider

Standards New Zealand

Author

Standards New Zealand

Information type

New Zealand Standard

Format

PDF

Cited By

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Description

This Standard provides design information that meets the requirements of the New Zealand Building Code and is intended to be used by engineers and others involved in new storage tank projects. It provides a basis for designing concrete structures for the storage of liquids that will require only limited periodic maintenance to remain serviceable for their design life, and will not allow an uncontrolled, rapid loss of the liquid contents in extreme events such as a major earthquake.

Scope

This Standard is intended to provide a means of compliance with the requirements of the New Zealand Building Code for concrete structures that will store liquid, and would be used regularly by engineers and organisations about to embark on a new storage tank project. The Standard covers: (a) Design requirements and guidance; (b) Loading requirements; and (c) Seismic considerations and allowances.

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New Zealand Standards

- [AS/NZS 1170.0:2002](#)

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- [AS/NZS 1170.1:2002](#)

NZS 3106:2009 cites AS/NZS 1170.1:2002 (R2016) Structural Design Actions - Permanent, imposed and other actions

- [NZS 1170.5:2004](#)

NZS 3106:2009 cites NZS 1170.5:2004 Structural Design Actions - Part 5: Earthquake design actions - New Zealand

- [NZS 3101.1&2:2006](#)

NZS 3106:2009 cites NZS 3101.1&2:2006 Concrete structures standard. The design of concrete structures

- [NZS 3109:1997](#)

NZS 3106:2009 cites NZS 3109:1997 Concrete construction

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