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NZS 4431:1989 Code of practice for earth fill for residential development

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Abbreviation NZS 4431:1989 Amendment Amendment 1 - appended. Published 30/07/1992. Valid from 30/05/1978

Information provider Standards New Zealand Author Standards New Zealand Information type New Zealand Standard Format PDF

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Description

This Standard describes earth fill practices which experience has shown to produce fills of satisfactory stability for residential development. Cited in Ministry's Simple House Acceptable Solution.

Scope

This Standard sets out earth fill practices which experience has shown to produce fills of satisfactory stability for:

- (a) Residential construction involving one-storey and two-storey timber framed buildings, or masonry buildings, or buildings of both timber and masonry not requiring specific design in terms of NZS 1900* provided that:
 - (i) Continuous brittle walls such as masonry veneer and stucco, especially those which may be subject to differential settlement, may require specific design of foundations;
 - (ii) The foundation sections of the relevant non-design Codes are observed and complied with;
 - (iii) That the floor loads used do not exceed 1.5 kPa, which corresponds to the floor live load specified for domestic buildings (excluding balconies) by NZS 4203;
 - (iv) Any "special limitations" noted on the certificate contained in Appendix A are complied with.
- (b) Residential services and street works. This Standard is approved as a means of compliance with the relevant

requirements of NZS 1900. The following aspects are not covered by this Standard:

- (a) Cuts;
- (b) Methods of evaluation of the suitability of existing natural ground for founding houses and services;
- (c) Methods of evaluation of the suitability of filled ground for founding houses and services where the methods and standards of filling have not been controlled in terms of this Standard;
- (d) Requirements for retaining wall construction and backfilling;
- (e) Contractual aspects of earth fills.

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NZS 4431:1989 is cited by NZS 4299:1998 Earth buildings not requiring specific design

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• NZS 1900.11.2:1985

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Other

Engineers Registration Act 1924

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• Factors that influence field compaction of soils

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