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NZS 4297:1998 Engineering design of earth buildings

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Abbreviation

NZS 4297:1998

Valid from

01/10/1998

Information provider

Standards New Zealand

Author

Standards New Zealand

Information type

New Zealand Standard

Format

PDF

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Description

This Standard provides for the structural and durability design of unfired earthen wall buildings.

Scope

The scope of this Standard is limited to unfired earthen wall building materials defined herein as adobe, pressed brick, poured earth or rammed earth and which contain clay and silt and which rely on the clay and silt particles present to achieve satisfactory performance with or without chemical stabilization.

Earth building materials to which this Standard applies shall comply with NZS 4298 Materials and workmanship for earth buildings. Earth construction in accordance with this Standard shall not exceed 6.5 m in height from the top of the footing to the top of the earth wall.

This Standard applies to earth wall items including house and building walls, boundary fences, outbuildings, garden walls, furniture, footings, fireplaces and such like. This Standard also covers components of any of the foregoing including bricks, pieces and such like.

This Standard applies to New Zealand and its offshore islands.

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- [NZS 4298:1998](#)

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- [NZS 4299:1998](#)

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- [NZS 3101 PARTS 1 AND 2:1995](#)

NZS 4297:1998 cites NZS 3101 PARTS 1 AND 2:1995 Concrete structures standard - The design of concrete structures

- [NZS 3109:1997](#)

NZS 4297:1998 cites NZS 3109:1997 Concrete construction

- [NZS 3402:1989](#)

NZS 4297:1998 cites NZS 3402:1989 Steel bars for the reinforcement of concrete

- [NZS 3421:1975](#)

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- [NZS 4203:1992](#)

NZS 4297:1998 cites NZS 4203:1992 General structural design and design loadings for buildings

- [NZS 4214:1977](#)

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- [NZS 4230:1990](#)

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- [NZS 4298:1998](#)

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- [NZS 4702:1982](#)

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Australian Standards

- [AS 1530.4-1990](#)

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Other

- [BS EN ISO 10319:1996](#)

NZS 4297:1998 cites BS EN ISO 10319:1996 Geotextiles. Wide-width tensile test

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