

# Learn about Module 5A

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This guideline provides a specification for designing and constructing ground improvement. It focuses on ground improvement to mitigate liquefaction effects on single-storey residential properties.



## Module 5A guideline

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Module 5A: Specification of ground improvement for residential properties in the Canterbury region (<https://www.building.govt.nz/building-code-compliance/b-stability/b1-structure/geotechnical-guidance-3/>), and other modules, are available in the earthquake geotechnical engineering practice series.

## Module 5A educational resources

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### Video: How to specify ground improvements for properties prone to liquefaction

Guidance to help geotechnical professionals prepare documentation that will make tendering and consenting easier.

Go to the video (<https://www.building.govt.nz/building-code-compliance/geotechnical-education/module-5a/video-module5a/>)

If you would like to do a quiz related to this video that can be counted as part of your Continuing Professional Development (CPD) hours, [register on the Engineering New Zealand website \(https://learn.engineeringnz.org/course/view.php?id=42\)](https://learn.engineeringnz.org/course/view.php?id=42)

[Factsheet on specifying residential ground improvement \(https://www.building.govt.nz/building-code-compliance/geotechnical-education/module-5a/factsheet-module-5a/\)](https://www.building.govt.nz/building-code-compliance/geotechnical-education/module-5a/factsheet-module-5a/) (supports Module 5A)

## Related resources

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- [Ground improvement programme \(http://www.eqc.govt.nz/canterbury/ground-improvement-programme\)](http://www.eqc.govt.nz/canterbury/ground-improvement-programme) on the EQC website.
  - [Lessons Learned from the Ground Improvement Programme \(https://www.eqc.govt.nz/canterbury/ground-improvement-programme\)](https://www.eqc.govt.nz/canterbury/ground-improvement-programme) on the EQC website.
  - [Repairing and rebuilding houses affected by the Canterbury earthquakes \(https://www.building.govt.nz/building-code-compliance/canterbury-rebuild/repairing-and-rebuilding-houses-affected-by-the-canterbury-earthquakes/\)](https://www.building.govt.nz/building-code-compliance/canterbury-rebuild/repairing-and-rebuilding-houses-affected-by-the-canterbury-earthquakes/) (also known as the Residential guidance).
  - [Approved Code of Practice for Safety in Excavations and Shafts for Foundations \(https://worksafe.govt.nz/topic-and-industry/excavation/excavation-safety-gpg/\)](https://worksafe.govt.nz/topic-and-industry/excavation/excavation-safety-gpg/) on the WorkSafe website.
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