



WEDO CONSTRUCTIONS
HOME RENOVATION SPECIALISTS



Concreting Best Practice 2015

ID CODE _____



WeDo Concreting Best Practice

Upon receiving a phone call from you WeDo Constructions will arrange a consultant to attend your home the area that you want to have concrete applied will be assessed .The consultant will measure the area or review current plans that you may have.

Residential Floors Checklist for consultant to apply

Area to be measured Lx W = SQM

Concrete Strength: Minimum 20MPA for decorative -17.5MPA for plain finish

Concrete depth: Driveway minimum – 100mm or 4 inches

Pathway minimum – 80mm or 3 inches

Decorative System: Should be specified (i.e. Stamped concrete, Colour Cut and Grout, Exposed Aggregate, etc)

Colour: Should be specified (i.e. Cream/Charcoal, Cappuccino, Tan etc)

Pattern: Should be specified (i.e. Walkway Slate Pattern, Cut and Grout, 800mm x 800mm etc)

Area m2: The area should be shown in square metres (i.e. Length times width) e.g. 82m2

Cracks: To help alleviate the possibility of uncontrolled cracking, the following to apply :

- The base will be filled and be compacted
- Concrete depth will be even over the entire job
- Reinforcing is an option on driveways mesh 668
- Control cuts will be put into critical areas 3 days after the pour
- Shrinkage control joints will be applied to the relevant NZ standards

The client will be informed that due to expansion and contraction all concrete cracks. However, every attempt will be made to minimise potential cracking, by bolstering and / or cutting, although this will not completely guarantee the prevention of uncontrolled cracking.



Texture options: Exterior paving will have a suitable non-slip finish. Options include:

- Texture roller finish
- Broom finish
- Mag trowel finish
- Wood float finish
- Sponge finish

Sealing Decorative Concrete:

- Sealing is the most important aspect of the entire decorative concrete procedure
- Sealer will not be applied within 7 days of pouring concrete
- Sealer will not be applied if the temperature is less than 12°C

Commercial Floors

Scope

This document has been developed to show how specification matters might be dealt with. It utilizes, as the primary Standards for compliance, the NZ Standard NZS 3109:97 Concrete Construction (including amendments No1 and No2) in conjunction with NZS 3104:03 Specification for Concrete Production and NZS 3114 Specification of Concrete Surface Finishes.

Any specification needs to define the term "Construction Reviewer" used in clauses- 3.3.5, 5.5, 5.6.1, 7.4.1, 7.7.6, 7.7.8, 7.8.4, and 7.8.5 of NZS 3109. In this specification the Engineer to the contract has been defined as the "Construction Reviewer".

While generic aspects of workmanship are covered in NZS 3109 the specifics relating to slab construction are not included.

For special floor applications an alternative approach is for the designer to provide outline requirements for the performance of the floor but the actual design, detailed specification, and construction is passed to the specialist flooring contractor.

Some clauses within the specification have a line in the left margin. This indicates that the information supplied within the clause is reasonably well defined in NZS 3109 and if a slimmer specification is required these clauses could be deleted.



Introduction

The specification for a concrete slab on ground project would typically be divided into the following parts:

- Site works
- Drainage
- Sub-grade preparation
- Sub-base construction
- Concrete slab construction

The purpose of this specification is to provide typical clauses for the parts dealing either with the construction of the concrete slab, or the parts which affect this construction. It is not appropriate to include a copy of this document in a project specification, nor to refer to it as a standard specification, since each clause will have to be reviewed as to its relevance.

This guide specification does not include clauses related to general requirements such as order of works, setting out, records, inspections, etc., nor does it cover requirements for clauses of the work not directly related to concrete.