

<b>Title</b>	<b>Make measurements and calculations for flooring trades operations</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	<p>This unit standard is intended for those working in the flooring installation industry.</p> <p>People credited with this standard are able to make measurements and calculations for flooring trades operations to the level of performance required of a commercially competent tradesperson.</p>
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<b>Classification</b>	Construction Trades > Flooring
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<b>Available grade</b>	Achieved
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## Guidance Information

### 1 Assessment

This unit standard is intended to align with the *New Zealand Certificate in Flooring Installation – Specifications*, the *New Zealand Certificate in Timber and Composite Flooring – Specifications*, the *New Zealand Certificate in Resin Flooring – Specifications*, and the *New Zealand Certificate in Flooring Surface Preparation – Specifications*, and the *New Zealand Certificate in Flooring Installation (Level 4)* [Ref: 4296], the *New Zealand Certificate in Timber and Composite Flooring (Level 4)* [Ref: 4300], *New Zealand Certificate in Resin Flooring (Level 4)* [Ref: 4298], and the *New Zealand Certificate in Flooring Surface Preparation (Level 4)* [Ref: 4299].

Evidence for this standard must reflect commercial competence.

Commercial competence refers to the ability to demonstrate knowledge and skills in the context of the currently accepted requirements of a business operating in a commercial environment.

Commercial competence must be confirmed by a person with current expertise in the flooring trades.

### 2 Definitions

*Flooring trades* include carpet installation, resilient installation, timber or composite flooring operations, resin flooring application, or specialist flooring surface preparation.

*Other costs* are specific to the job and may include charges that are part of workplace procedures, and mark-up.

*Overheads* are the direct costs associated with a specific job that are not products or labour.

*Workplace procedures* refers to the documented procedures specific to a work site which set out the standard and required practices of that workplace.

- 3 Legislation, standards and guidance information relevant to this standard includes the following, and any subsequent amendments and replacements:

BCITO Specifications, available from [www.waihanga.nz](http://www.waihanga.nz)

- *New Zealand Certificate in Flooring Installation – Specifications*, September 2020
- *New Zealand Certificate in Flooring Surface Preparation – Specifications*, September 2020
- *New Zealand Certificate in Resin Flooring – Specifications*, September 2020
- *New Zealand Certificate in Timber or Composite Flooring – Specifications*, September 2020.

Legislation accessed at [www.legislation.govt.nz](http://www.legislation.govt.nz)

- Construction Contracts Act 2002.

Best practice and good practice guidelines, available from [www.floornz.org.nz](http://www.floornz.org.nz)

- FloorNZ. (2019). *Carpet Floor Coverings Planning and Installation*
- FloorNZ. (2019). *Resilient Floor Coverings Planning and Installation*.

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## Skill specification and performance level guidance

### Skill specification

Make measurements and calculations for flooring trades operations.

### Knowledge

How to use and record different units of measurement for use in a flooring trade operation.

Range includes – length, area, volume, time, distance.

The formulas used to calculate area for a flooring trade operation.

How to use and apply percentages, and ratios to calculations for a flooring trade operation.

The methods used to calculate labour, products, overheads, and other expenses for costing a flooring trade operation.

### Skills

Measure and make calculations in one, two, and three dimensions for a flooring trade.

Range length measurements include – individual dimensions, running dimensions, diagonal length.

Calculate product quantities for flooring trade operations.

Range application of product coverage rate or cutting allowance, wastage allowance.

Calculate direct costs incurred for flooring trade operations.

Range may include – labour time and cost, products, overheads, and other costs.

### Performance level guidance

Performance must reflect industry best practice guidance, legislative requirements, and workplace procedures.

Performance must reflect the requirements of a flooring installer or applicator for at least one of: carpet installation, resilient installation, timber and composite flooring operations, resin application, and/or specialist flooring surface preparation.

<b>Planned review date</b>	31 December 2026
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### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	25 November 2021	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0048
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

### Comments on this unit standard

Please contact Waihanga Ara Rau Construction and Infrastructure Workforce Development Council [qualifications@waihanga.nz](mailto:qualifications@waihanga.nz) if you wish to suggest changes to the content of this unit standard.