

Title	Demonstrate knowledge of measurements and calculations used for flooring planning and design operations		
Level	4	Credits	4

Purpose	<p>This unit standard is intended for those working in the flooring planning and design industry.</p> <p>People credited with this standard can demonstrate knowledge of measurements and calculations used for flooring planning and design operations to the level of performance required of a commercially competent tradesperson.</p>
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Classification	Construction Trades > Flooring
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Available grade	Achieved
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Guidance Information

1 Assessment

This unit standard is intended to align with the *New Zealand Certificate in Flooring Planning & Design – Specifications* and the New Zealand Certificate in Flooring Planning and Design (Level 4) [Ref: 4297].

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 planning and design trade.

2 Definitions

Associated costs are the direct costs associated with a specific job that are not materials or labour.

Flooring trades include carpet installation, resilient installation, or timber and composite flooring operations.

Workplace procedures refers to the documented procedures specific to a workplace which sets out the standard and the required practices of that workplace.

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

New Zealand Certificate in Flooring Planning & Design – Specifications, BCITO, September 2020, available from www.waihanga.nz.

Legislation accessed at www.legislation.govt.nz

- Construction Contracts Act 2002.

Standards accessed at www.standards.govt.nz

- NZS 3604:2011 *Timber Framed Buildings*
- AS/NZS 2455.1:1:2007 *Textile floor coverings – Installation practice*
- NZS AS 1884:2013 *Floor coverings – Resilient sheet and tiles – Installation practices*
- ISO 10874:2009 *Resilient, textile and laminate floor coverings – Classification*
- AS/NZS 1080.1:2012 *Timber - Methods of test – Method 1: Moisture content.*

Best practice and good practice guidelines

- FloorNZ. (2019). *Carpet Floor Coverings Planning and Installation*. Available from: www.floornz.org.nz
- FloorNZ. (2019). *Resilient Floor Coverings Planning and Installation*. Available from: www.floornz.org.nz
- *The Absolutely Essential Health and Safety Toolkit for Small Construction Sites*, and other Worksafe NZ publications available from www.worksafe.govt.nz.

Skill specification and performance level guidance

Skill specification

Demonstrate knowledge of measurements and calculations used for flooring planning and design operations.

Knowledge

How to use and collect record different units of measurements for flooring planning and design operations.

Range length, area, volume, time, distance;
length includes – individual dimensions, running dimensions, diagonal length of surfaces.

The purpose for and methods to use equipment to complete measurements for flooring planning and design operations.

Range manual or electronic equipment.

The purpose for and methods to calculate area of flooring surfaces and job sites.

The purpose for and methods to apply to calculate product quantities for flooring installations.

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

The purpose for and methods to calculate percentages and ratios for flooring planning and design operations.

The purpose and methods to calculate labour, product quantity, and associated costs for flooring planning and design operations.

Range time and hourly rate is used to determine job labour costs.

Performance level guidance

Performance must reflect job requirements, industry standards, workplace procedures, and legislative requirements.

Performance must reflect the requirements for flooring planning and design operations for carpet installation, resilient installation, and timber and composite flooring.

Planned review date	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

Consent and Moderation Requirements (CMR) reference	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 if you wish to suggest changes to the content of this unit standard.