

Title	Demonstrate knowledge of flooring products and installation methods in the flooring industry		
Level	4	Credits	20

Purpose	<p>This unit standard is intended for those working in the flooring planning and design installation industry.</p> <p>People credited with this standard are able to demonstrate knowledge of flooring products and installation methods in the flooring industry to the level of performance required of a commercially competent tradesperson.</p>
----------------	--

Classification	Construction Trades > Flooring
-----------------------	--------------------------------

Available grade	Achieved
------------------------	----------

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

Bonded carpet installation is also known as a direct-stick system and double-bond system.

Carpet gripper is also known as smooth edge or tackle strip.

Consumables are items associated with a tool or piece of equipment that are consumed or degraded through use.

Conventional carpet installation also known as the carpet gripper system.

Floor finishes are applied onsite as the finished flooring surface.

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

Product manufacturers' guidelines includes all the relevant information to apply or install a floor covering or coating.

- 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

- Building Act 2004
- Hazardous Substances and New Organisms Act 1996
- Health and Safety at Work Act 2015
- The New Zealand Building Code.

Standards accessed at www.standards.govt.nz

- NZS 3604:2011 *Timber Framed Buildings*
- AS/NZS 2455.1:2007 *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 flooring products and installation methods in the flooring industry.

Knowledge

The properties, purposes, benefits, and limitations of floor finishes.

Range moisture curing, waterborne, water based, polyurethane, wax coating, stain, oil.

The properties, purposes, benefits, and limitations of different carpet floor coverings.

Range floor coverings include – tufted, woven, non-woven carpet; carpet tiles; natural, synthetic fibre.

The properties, purposes, benefits, and limitations of different resilient floorcoverings.

Range resilient floor coverings include – vinyl, linoleum, cork, rubber, vinyl composite tile (VCT), luxury vinyl tile (LVT); sheet, plank, safety.

The properties, purposes, benefits, and limitations of timber and composite flooring.

Range timber and composite flooring products include – solid, laminated, processed timber products;
in strip, block, sheet and tiled form.

The care and maintenance requirements for finishes, carpets, resilient, timber, and composite floor coverings.

The properties, purposes, benefits, and limitations of accessories used in flooring operations.

Range fixings, fasteners, adhesives.

The requirements for safe storage and handling of floor coverings and accessories used in flooring operations.

The properties, purposes, benefits and limitations of substrate preparation systems used prior to flooring installation.

Range board underlayment, cementitious underlayment, moisture treatment system, mechanical preparation, topical coating.

How to interpret and evaluate product data sheets for flooring installation operations.

The requirements for, and how to interpret results of moisture and pH testing.

Range approved and recognised methods in the New Zealand flooring industry.

The cause and effects of water penetration to flooring systems, installation methods, and floor substrates.

The requirements for, and methods of installing different flooring to substrates.

Range bonded carpet installation, conventional carpet installation, bonded resilient installation, bonded timber and composite installation.

The requirements for, and methods of fine sanding and applying finishes to timber flooring.

The requirements for, and safe use of tools, equipment, and consumables used to install flooring.

Range appropriate to the flooring covering and installation operation, in accordance with manufacturer's guidelines.

Performance level guidance

Performance must reflect industry best practice guidance and product manufacturers' guidelines.

Performance must include the compatibility of products used for finish coatings, and carpet, resilient, timber and composite flooring installation.

Planned review date	31 December 2026
----------------------------	------------------

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
--	------

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Waihangā Ara Rau Construction and Infrastructure Workforce Development Council qualifications@waihanga.nz if you wish to suggest changes to the content of this unit standard.