

Title	Examine, evaluate and prepare substrate for timber and composite flooring installation		
Level	4	Credits	20

Purpose	<p>This unit standard is intended for those working in the timber and composite flooring industry.</p> <p>People credited with this standard are able to examine, evaluate and prepare substrate for timber and composite flooring installation 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 Timber and composite flooring – Specifications* and the *New Zealand Certificate in Timber and Composite Flooring (Level 4)* [Ref: 4300].

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 timber and composite flooring trade.

2 Definitions

Moisture treatment systems refers to products and materials used to control the transfer of moisture from the substrate to the floorcovering.

Substrate surface is the face of the substrate.

Timber or composite flooring refers to solid, laminated and processed timber in strip, block, sheet or tiled form.

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:

New Zealand Certificate in Timber or composite flooring – 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
- The New Zealand Building Code.

Standards accessed at www.standards.govt.nz

- NZS 3604:2022 *Timber Framed Buildings*
- ISO 10874:2009 *Resilient, textile and laminate floor coverings – Classification*
- AS/NZS 1080:2012 *Timber - Methods of test – Method 1: Moisture content*.

Best practice and good practice guidelines

- *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

Examine, evaluate, and prepare substrate for timber and composite flooring installation.

Knowledge

The properties of substrate surfaces onto which timber and composite overlay flooring products are installed.

Range timber strip, processed timber sheet, composite sheet, concrete, metal.

The physical and technical requirements of substrate surfaces onto which timber and composite flooring operations are carried out.

Range level, fall, thickness, structural support, moisture content, fixings, surface integrity, stability, cleanliness.

The cause of common issues associated with substrates, and substrate surfaces.

Range causes include – unclean, contaminants, asbestos, required levels and falls of surface not met, unsound substrate, moisture in substrate, dust on substrate surface;
issues include – furniture not sitting flat, metal bars not fitting, visible mould, lack of cross flow ventilation in a timber subfloor.

The methods to make required preparations for different substrate surface types.

Range may include – cleaning, remedying minor height variations, light grinding.

The observable signs of potentially contaminated, unsuitable or hazardous flooring substrates, and substrate surfaces.

Range must include – asbestos.

Skills

Examine the physical and technical requirements of new and existing substrates before timber and composite flooring operations.

Remove existing floor coverings, coatings, and contaminants from substrate surfaces in readiness for additional preparatory tasks.

Prepare and remediate existing flooring substrate surfaces before timber and composite flooring operations.

Range includes minor maintenance and fixes or organising a specialist to carry out repairs.

Evaluate substrate surfaces after any repairs have been carried out to confirm readiness for timber and composite flooring operations.

Performance level guidance

Performance must reflect industry best practice, workplace procedures and be within the acceptable tolerances for timber and composite flooring operations as defined in New Zealand Standards.

Substrate preparation does not require asbestos removal, replacement of substrate framing, moisture treatment systems, or levelling large surfaces.

Legislative requirements and workplace procedures must be followed if asbestos is found.

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