

<b>Title</b>	<b>Examine, evaluate and prepare substrate for resilient floor covering installation</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>15</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 examine, evaluate and prepare substrate for resilient floor covering installation 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* and the *New Zealand Certificate in Flooring Installation (Level 4)* [Ref: 4296].

Evidence for this unit standard is 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 installation 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* is the base material of the floor and includes timber strip, processed timber sheets, composite sheets, concrete and metal.

*Substrate surface* is the face of the substrate.

*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 Flooring Installation – Specifications*, BCITO, September 2020, available from [www.waihanga.nz](http://www.waihanga.nz).

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

- NZS 3604:2011 *Timber Framed Buildings*
- NZS AS 1884:2013 *Floor coverings – Resilient sheet and tiles – Installation practices*.

Best practice and good practice guidelines

- FloorNZ. (2019). *Resilient Floor Coverings Planning and Installation*. Available from [www.floornz.org.nz](http://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](http://www.worksafe.govt.nz).

## Skill specification and performance level guidance

### Skill specification

Examine, evaluate, and prepare substrate for resilient floor covering installation.

### Knowledge

The properties of substrates onto which resilient flooring products are installed.

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

The physical and technical requirements of substrates onto which resilient flooring products are installed.

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

The types, purpose, and properties of moisture treatment systems used in conjunction with resilient flooring products.

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 types, purpose, and properties of compounds, board and cementitious underlayments.

The observable signs of potentially contaminated or hazardous surfaces.

Range must include – asbestos.

### Skills

Examine the physical and technical properties of new and existing substrate surfaces prior to resilient flooring installation.

Remove existing floor coverings, coatings, and contaminants from substrate surfaces.

Prepare, and remediate existing substrates and substrate surfaces before resilient flooring operations.

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

Evaluate surfaces after preparation and remediation to confirm readiness for resilient flooring installation.

### Performance level guidance

Performance must reflect industry best practice, NZS AS 1884 *Floor coverings – Resilient sheet and tiles – Installation practices*, and workplace procedures.

Performance must reflect the substrate preparation requirements for at least one of residential resilient installation or commercial resilient installation.

Substrate preparation does not require asbestos removal, replacement of squeaky or rotten boards, moisture treatment systems, levelling large surface areas.

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

<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>.

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**Comments on this unit standard**

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