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|--------------|---|----------------|-----------|
| <b>Title</b> | <b>Mechanically prepare flooring surfaces</b> |                |           |
| <b>Level</b> | <b>4</b>                                      | <b>Credits</b> | <b>30</b> |

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|----------------|---|
| <b>Purpose</b> | <p>This unit standard is intended for those working in the flooring surface preparation industry.</p> <p>People credited with this standard are able to mechanically prepare flooring surfaces 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 Surface Preparation – Specifications* 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 surface preparation trade.

### 2 Definitions

*Mechanical preparation* refers to the process of preparing wooden or concrete substrates in readiness for either floorcoverings or coatings.

*Substrate* is the base material of the floor.

*Substrate surface* is the face of the substrate.

*Work schedule* refers to the specific job details to be performed when mechanically preparing the flooring surface.

*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 Surface Preparation – 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
- Health and Safety at Work Act 2015
- The New Zealand Building Code.

Standards accessed at [www.standards.govt.nz](http://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 Moisture – Method 1: Moisture content.*

Best practice and good practice guidelines

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

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## Skill specification and performance level guidance

### Skill specification

Mechanically prepare flooring surfaces.

### Knowledge

The safe use practices for mechanical equipment to grind, sand, abrade, and mechanically key a flooring surface.

Range     concrete floor, timber floor.

The purpose of, and requirements to protect other surfaces in the vicinity to the flooring preparation work.

The requirements for, and methods to remove existing floor coverings, coatings, and contaminants from flooring surfaces.

The requirements for evaluating substrate surface assessment information to select the mechanical equipment for preparing flooring substrate surfaces.

Range     methods includes use of – grinding cup, abrasive paper type, chase cutting attachment, filter, disc adhesive, dust suppressants.

The requirements for, and methods to undertake mechanical preparation of flooring substrate surfaces to specification in readiness for either floor covering or floor coating.

Range concrete floor, timber floor.

### Skills

Confirm work schedule instructions for flooring substrate work area, and that mechanical preparation work requirements to be undertaken are accurate.

Assess flooring substrate surfaces and job environment to select equipment and accessories required to mechanically prepare the flooring surface.

Range grinding cup, abrasive paper type, chase cutting attachment, filter, disc adhesive, dust suppressants;  
appropriate and fit for purpose to the situation.

Remove any existing floor coverings or loose debris in readiness before mechanical flooring preparation work.

Mechanically prepare flooring substrate surface to job specification in readiness for either floor covering or floor coating.

Range concrete floor, timber floor.

Clean down job site and equipment after mechanical preparation work is completed.

### Performance level guidance

Performance must reflect the level referred to in the work schedule, legislative requirements, and workplace procedures.

Performance must reflect health and safety dust control, and dust removal practices when mechanically preparing floor substrate surfaces.

**This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.**

### Status information and last date for assessment for superseded versions

| Process      | Version | Date             | Last Date for Assessment |
|--------------|---------|------------------|--------------------------|
| Registration | 1       | 29 November 2021 | 31 December 2027         |
| Review       | 2       | 28 November 2024 | 31 December 2027         |

### Consent and Moderation Requirements (CMR) reference

0048

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