

Title	Demonstrate knowledge of flooring surface preparation principles		
Level	4	Credits	4

Purpose	<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 demonstrate knowledge of flooring surface preparation principles 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 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

Concrete polishing systems refers to the methods used to prepare a concrete surface to a required finish to receive an applied protective finish.

Mechanical preparation systems are abrading methods.

Moisture treatment systems refers to products and materials used to suppress or control the transfer of moisture from the substrate to the floor covering.

Topical coatings refers to finishing coatings.

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.

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 floorcoverings – 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
- International Concrete Repair Institute (ICRI) *10 Concrete Surface Profiles*, available from www.icri.org
- *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 surface preparation principles.

Knowledge

The observable and technical properties of flooring substrates.

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

How existing flooring surfaces and covering impact flooring surface preparation work.

The principles, requirements and methods to achieve acceptable flooring surface preparation.

Range principles include – clean, flat, smooth, sound, dry, pH level.

How to visually observe and undertake testing requirements to determine the acceptable level of finish for prepared flooring surfaces.

Range test for – clean, flat, smooth, sound, dry, pH level.

The types, purpose, and properties of moisture treatment systems.

The types, purposes, and properties of underlayment systems.

Range board products, cementitious underlayment.

The types, purpose, and properties of mechanical preparation systems and applied topical coatings.

Range grind, sand, strip materials, shot blast, scarify, chase cut.

The types, purposes, and properties of concrete polishing systems.

Range must include – ICRI Concrete Surface Profiles.

Performance level guidance

Performance must reflect New Zealand Standards and manufacturers' specification.

Performance must reflect knowledge to determine how moisture treatment systems, board underlayment, mechanical preparation and topical coatings, or concrete polishing is used to prepare flooring surfaces to meet acceptable levels of finish.

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 Waihangā 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.