

Title	Mix beds, adhesives and grouts for floor and wall tiling		
Level	4	Credits	7

Purpose	<p>This unit standard is intended for people working in the floor and wall tiling industry.</p> <p>People credited with this unit standard are able to mix beds, adhesives and grouts for floor and wall tiling to the level required of a commercially competent floor and wall tiler.</p>
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Classification	Construction Trades > Floor and Wall Tiling
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Available grade	Achieved
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Guidance Information

1 Assessment

This unit standard is one of a family of standards intended to align with the *New Zealand Certificate in Trowel Trades – Specifications*, and the New Zealand Certificate in Trowel Trades (Level 4) with strands in Brick and Block Laying, Floor and Wall Tiling, Proprietary Plaster Cladding Systems, Ferro-cement Tank Manufacture, Refractory Installation, and Solid Plastering (with optional strands in Fixing Cavities and Substrates, and Decorative Mouldings) [Ref: 3137].

Evidence for this unit standard must reflect commercial competence.

Commercial competence requires a candidate to be capable of consistently performing the requirements of the unit specification:

- to current regulatory, industry and commercial standards
- within a commercially viable timeframe
- in commercial environments
- without supervision
- in different and unfamiliar contexts.

Commercial competence must be confirmed by a person who has current expertise in the floor and wall tiling trade.

2 Definitions

Cementitious products are cement based and mixed with water or with additives, and include screeds, floor-levelling compounds, and adhesives.

Epoxy-resin products are epoxy-based products that include adhesive and grouts, and require following the mixing ratio provided by the manufacturer.

Job documentation refers to all documented information related to the specific scope of work, including manufacturer's specifications.

Manufacturer's specifications refer to all relevant information about a specific product provided by the manufacturer.

Workplace procedures refer 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 Trowel Trades – Specifications, BCITO, August 2021, available from www.WaihangaAraRau.nz.

Legislation accessed at www.legislation.govt.nz

- Building Act 2004,
- Health and Safety at Work Act 2015,
- The New Zealand Building Code.

Standard accessed at standards.org.au

- AS 3958.1:2007 *Ceramic tiles, Part 1: Guide to installation of ceramic tiles*.

Best practice and good practice guidelines

- Pringle, T & Wierenga, J. (2015). *Good Practice Guide: Tiling* (3rd edition). Wellington: BRANZ
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

Mix beds, adhesives and grouts for floor and wall tiling.

Knowledge

The requirements and methods to mix cementitious products used to install floor and wall tiles.

Range beds, adhesives, grouts, levellers, patch repair compounds.

The requirements and methods to mix epoxy-resin products used to install floor and wall tiles.

Range grouts, adhesives.

How to prepare the set up and break down of a mixing station.

Skills

Mix cementitious products for floor and wall tiling.

Mix epoxy-based products for floor and wall tiling.

Set up and break down a mixing station.

Performance level guidance

Performance must reflect manufacturer specifications, legislative requirements, workplace procedures, best practice guide, and job documentation relevant to floor and wall tiling.

The mixing of cementitious products requires strict adherence to the manufacturer's specifications.

Planned review date	31 December 2027
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	27 September 2018	31 December 2025
Review	2	25 August 2022	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 qualifications@WaihangaraAraRau.nz if you wish to suggest changes to the content of this unit standard.