

<b>Title</b>	<b>Apply knowledge of products and materials to residential bathroom design</b>		
<b>Level</b>	<b>5</b>	<b>Credits</b>	<b>15</b>

<b>Purpose</b>	<p>This unit standard is intended for those working in residential bathroom design and planning.</p> <p>People credited with this unit standard are able to apply knowledge of products and materials to residential bathroom design.</p>
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<b>Classification</b>	Design > Kitchen and Bathroom Design
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<b>Available grade</b>	Achieved
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## Guidance Information

### 1 Assessment

This unit standard is one of a family of unit standards intended to align with the *New Zealand Diploma in Design (Kitchen Design/Bathroom Design/Light Commercial Design) (Level 5) – Specifications* and the *New Zealand Diploma in Design (Level 5)* with strands in Kitchen Design, and Bathroom Design (with optional strand in Light Commercial Design) [Ref: 3221].

The assessor must be confident that the candidate can apply the skills and knowledge included in this unit standard to the level, scope and complexity required to support the achievement of related skills included in the *Specifications*.

The overarching level of performance for this family of unit standards is professional competence as a residential bathroom designer.

Professional competence requires the candidate to be capable of consistently performing the requirements of the skill specification in the context of residential bathroom design:

- to current regulatory, industry best practice, and commercial standards, including:
  - Health and Safety at Work (General Risk and Workplace Management) Regulations 2014, available from [www.legislation.govt.nz](http://www.legislation.govt.nz);
  - The New Zealand Building Code, available from [www.building.govt.nz](http://www.building.govt.nz);
  - Homes without barriers: A guide to accessible houses* (Wellington: BRANZ, 2001), available from [www.branz.co.nz](http://www.branz.co.nz)
- to the ethical and professional expectations of industry and consumers
- while working autonomously
- in dynamic and varied contexts.

Evidence for assessment must include a minimum of two bathroom design projects for new or existing residential dwellings.

## 2 Definitions

*Bathroom hardware and accessories* are items that make a bathroom functional.

*Client* refers to the party for which the design is created.

*Design brief* refers to the document that outlines the plan for a project.

*Plumbing fittings* are items that water passes through.

*Plumbing fixtures* are items that hold water.

## 3 Reference

*New Zealand Diploma in Design (Kitchen Design/Bathroom Design/Light Commercial Design) (Level 5) – Specifications*, Waihanga Ara Rau, April 2016, available from <https://www.waihangaararau.nz/qualifications-and-programme-endorsements/programme-guidance-documents-for-providers-developing-programmes>.

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## Skill specification and performance level guidance

### Skill specification

Apply knowledge of products and materials to residential bathroom design.

### Knowledge

Types and properties of flooring, wall and ceiling materials, plumbing fixtures and fittings, hardware and accessories, and lighting used in bathrooms, and their impact on bathroom design.

Types, properties, and construction of cabinetry and related surfaces used in bathrooms, and their impact on bathroom design.

Range related surfaces include – materials for cabinetry and related surfaces, floors, walls, ceilings.

### Skills

Advise clients on product and material options to assist with development of design briefs.

Create a set of specifications of products and materials for bathroom design projects.

### Performance level guidance

Properties are context and material dependent and may include durability, material lifespan, water resistance or proofing, ease of cleaning, impact resistance, sound transfer, porosity, and stain and UV resistance.

The level of performance must reflect current industry legislation, regulations, codes, standards, and best/good practice guidelines relevant to residential kitchen or bathroom design.

<b>Planned review date</b>	31 December 2028
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#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	29 November 2018	31 December 2025
Review	2	29 June 2023	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>.

#### Comments on this unit standard

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