

Title	Demonstrate knowledge of construction principles and installation of exterior and interior joinery, showers and baths		
Level	3	Credits	2

Purpose	People credited with this unit standard are able to: explain the principles of the construction and installation of exterior joinery; and explain the principles of installation of interior joinery, showers and baths.
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Classification	Construction Trades > Carpentry Theory
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Available grade	Achieved
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Guidance Information

- 1 Credit for this unit standard indicates compliance with industry practice. *Industry practice* refers to the ability to demonstrate knowledge that reflects the uniformity, finish quality and material economies currently accepted within industry.
- 2 For outcome 2 of this unit standard, the knowledge of installation of showers and baths includes only the knowledge of installation of the units, and does not include the installation of plumbing pipework, including waste systems and potable water supply, installation of valves, mixers or taps.
- 3 Legislation relevant to this unit standard includes:
Health and Safety in Employment Act 1992 and Health and Safety in Employment Regulations 1995;
Building Act 2004;
Resource Management Act 1991;
New Zealand Building Code;
NZS 3604:1999 *Timber Framed Buildings*, available from Standards NZ (<http://www.standards.co.nz>);
WANZ WIS *An Alternative Solution for the Installation of Windows and Doors*, available from Window Association of New Zealand (http://www.wanz.org.nz/new_page_1.htm).

Outcomes and performance criteria

Outcome 1

Explain the principles of the construction and installation of exterior joinery.

Range timber, aluminium, steel, PVC.

Performance criteria

- 1.1 Components of exterior windows and doors are described.
- Range jambs, sills, heads, mullions, transom, sashes.
- 1.2 Weatherproofing and installation principles for exterior timber windows and doors are described.
- Range grooves, throatings, drip grooves, flashings.
- 1.3 Weatherproofing and installation principles for exterior aluminium, PVC and steel windows and doors are described.
- Range air seal, head, jamb and sill flashings.
- 1.4 Temporary protection for exterior joinery is described in accordance with manufacturer's instructions.
- 1.5 Procedures for maintaining health and safety requirements when installing exterior joinery are described.
- Range work methods, plant, equipment, identification of hazards and controls.

Outcome 2

Explain the principles of installation of interior joinery, showers and baths.

Performance criteria

- 2.1 The installation and fixing of joinery units are described.
- Range cabinetry, bench tops, shelving, stairs.
- 2.2 The installation and fixing of showers and baths are described.
- 2.3 Hanging and installation of interior doors are described.
- 2.4 Temporary protection for interior joinery units is described in accordance with manufacturers' instructions.
- 2.5 Procedures for maintaining health and safety requirements when installing interior joinery are described.
- Range work methods, plant, equipment, identification of hazards and controls.

Replacement information	<p>This unit standard replaced unit standard 13018.</p> <p>This unit standard was replaced by unit standard 32446 and unit standard 32492.</p>
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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	25 January 2008	31 December 2023
Review	2	30 September 2021	31 December 2023
Rollover	3	28 September 2023	31 December 2024

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>.