

Title	Install mechanical fixings and building hardware under supervision		
Level	3	Credits	2

Purpose	<p>People credited with this standard can, under supervision:</p> <ul style="list-style-type: none"> • select and install mechanical fixings and building hardware for a construction job; and • clean and store tools, plant and equipment used to install mechanical fixings and building hardware.
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Classification	Construction Trades > Carpentry
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Available grade	Achieved
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Guidance Information

- 1 Scope of practice**

Working under supervision means the ability to work to construction workplace standards under the supervision of a commercially competent practitioner whose role is to ensure the completed construction meets industry and regulatory requirements. This standard does not recognise commercial competence.
- 2 Assessment**

This unit standard must be assessed under the supervision of a commercially competent practitioner in construction workplace conditions that reflect:

 - current health, safety, industry, and workplace requirements; and
 - industry requirements for commercially acceptable timeframes.

Evidence generated for assessment against this standard must be verified by a person who has current expertise in the building and construction trades and has had the opportunity to regularly observe the candidate in the workplace.
- 3 Range**

Evidence generated for assessment against this standard must reflect workplace and industry requirements specified in:

 - documented worksite specifications, procedures, and practices;
 - manufacturer recommendations, specifications, and technical data sheets;
 - applicable specifications from other sources such as an architect, designer, engineer, or supervisor;
 - applicable material safety data sheets;
 - NZS 3604:2011 *Timber Framed Buildings*;
 - the New Zealand Building Code.

Evidence generated for assessment against this standard must reflect the requirements of:

- Building Act 2004;
- Health and Safety at Work Act 2015;
- Resource Management Act 1991;
- Building Regulations 1992;
- Building (Forms) Regulations 2004;
- Health and Safety in Employment Regulations 1995.

4 Reference

NZS 3604:2011 *Timber Framed Buildings*. Available from Standards NZ (<http://www.standards.co.nz>).

Outcomes and performance criteria

Outcome 1

Select and install mechanical fixings for a construction job under supervision.

Range nails, screws, bolts, nail plates, joint brackets, hangers, framing anchors, metal fittings, expansion bolts.

Performance criteria

1.1 Select and install mechanical fixings for a construction job.

Outcome 2

Select and install building hardware for a construction job under supervision.

Range latches and locks;
two of – door hinges, window hinges, stay, catch, bathroom hardware, security door and window hardware, door stops.

Performance criteria

2.1 Select and install building hardware for a construction job.

Outcome 3

Clean and store tools, plant, and equipment used to install mechanical fixings and building hardware.

Range plant includes – any machinery, vehicle, vessel, aircraft, equipment (including personal protective equipment), appliance, container, implement, or tool; any component of any of those things; anything fitted or connected to any of those things;
personal protective equipment includes – anything used or worn by a person (including clothing) to minimise risks to the person's health and safety;
air-supplied respiratory equipment.

Performance criteria

- 3.1 Clean workplace, tools, and plant used to install mechanical fixings and building hardware.
- 3.2 Store tools and plant used to install mechanical fixings and building hardware.

Replacement information	This unit standard and unit standard 13023 replaced unit standard 624.
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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	21 May 1999	31 December 2023
Review	2	26 February 2002	31 December 2023
Review	3	25 January 2008	31 December 2023
Review	4	30 September 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 the Building and Construction Industry Training Organisation at national.office@bcito.org.nz if you wish to suggest changes to the content of this unit standard.