

Title	Install roof shingles or slates		
Level	4	Credits	45

Purpose	<p>This unit standard is intended for use in the training and assessment of people carrying out shingle or slate roof installation work and covers the installation of roof shingles or slates.</p> <p>People credited with this unit standard are able to:</p> <ul style="list-style-type: none"> - confirm materials and availability of equipment for the installation of roof shingles or slates; - complete preparations for the installation of roof shingles or slates; - carry out installation of roof shingles or slates; and - install finishings on roof shingles or slates.
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Classification	Plumbing, Gasfitting and Drainlaying > Roofing
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Available grade	Achieved
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Guidance Information

- 1 This unit standard has been developed for learning and assessment on-job and off-job.
- 2 References
 Construction Contracts Act 2002;
 Historic Places Act 1993;
 Local Government Act 2002;
 Building Act 2004 and associated regulations;
 Health and Safety at Work Act 2015;
 Resource Management Act 1991;
 Acceptable Solutions and Verification Methods for New Zealand Building Code Clause E2 External Moisture;
 Licensed Building Practitioner Scheme – Understanding the Regulatory Environment Booklet – available at: <http://www.business.govt.nz/lbp/the-board/getting-licensed/applying-for-licensing>;
 NZS 3604:2011 Timber-framed buildings;
 NZS 3902:2004 Housing, alterations and small buildings contract;
 NZS 4121:2001, Design for access and mobility: Buildings and associated facilities;
 New Zealand Building Code Hand Book – available at: <http://www.building.govt.nz/building-code-compliance/building-code-and-handbooks/building-code-handbook>;
 and all subsequent amendments and replacements.

- 3 This unit standard applies to both new roof and re-roofing installations.
- 4 Range
- a Candidates must refer to current legislation and Standards during assessment.
 - b Demonstration of safe working practices are essential components of assessment of this unit standard.
 - c All activities and evidence presented for all outcomes and performance criteria in this unit standard must be in accordance with:
 - i legislation;
 - ii policies and procedures;
 - iii ethical codes;
 - iv Standards – may include but are not limited to those cited in the New Zealand Building Code Hand Book;
 - v applicable site, enterprise, and industry practice; and,
 - vi manufacturers' instructions, specifications, and data sheets.

Outcomes and performance criteria

Outcome 1

Confirm materials and availability of equipment for the installation of roof shingles or slates.

Performance criteria

- 1.1 Assess job and draw up a plan of work.
- 1.2 Confirm materials for the job are consistent with the job specifications and manufacturer recommendations.
- Range includes but is not limited to – shingle, cladding, flashings, sealants, fasteners.
- 1.3 Confirm equipment availability.
- Range includes but is not limited to – scaffolding, ladders, roof walking cleats, compressor, vacuum cleaner, tools, chainsaw, holing machine, sealant gun, saws, pop riveter.

Outcome 2

Complete preparations for the installation of roof shingles or slates.

Performance criteria

- 2.1 Prepare the area in accordance with company requirements.
- Range area cleaned with blower or vacuum, moisture content of substrate within accepted parameters, ambient temperature within manufacturer recommendations.

2.2 Rectify any defects in substrate and prime in accordance with manufacturers' specifications.

2.3 Install valley trays, flashings, and vermin proofing.

Range barges, step flashings, gable, drip edge.

2.4 Mark out perpendiculars from centre.

Outcome 3

Carry out installation of roof shingles or slates.

Performance criteria

3.1 Bottom course soakers or eave shingles or slates are laid in accordance with manufacturers specifications.

3.2 Shingles or slates are laid in accordance with manufacturers' specifications.

3.3 Lay valleys, hips, ridges, vents, and gables.

Range mark out line, measure and mark shingles, cut, fit, secure.

Outcome 4

Install finishings on roof shingles or slates.

Performance criteria

4.1 Place and finish soakers, barges, vents, and ridges, to a watertight and secure condition in accordance with manufacturers' specifications.

4.2 Correct any defects.

4.3 Remove surplus material and leave roof and site in a tidy and safe condition that allows any further work to be carried out safely.

Replacement information	This unit standard was replaced by skill standard 40218. This unit standard replaced unit standard 10814.
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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	16 March 2017	31 December 2027
Rollover	2	25 August 2022	31 December 2027
Review	3	28 November 2024	31 December 2027

Consent and Moderation Requirements (CMR) reference	0003
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.