

Title	Install profiled metal roofing and cladding		
Level	4	Credits	10

Purpose	<p>This unit standard is for people who work in the plumbing industry.</p> <p>People credited with this unit standard are able to:</p> <ul style="list-style-type: none"> – confirm work site is prepared for work to begin; – install profiled metal roofing; and – install profiled metal roof cladding.
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Classification	Plumbing, Gasfitting and Drainlaying > Plumbing
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Available grade	Achieved
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Guidance Information

- 1 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to:
- Building Act 2004;
 - New Zealand Building Code (Building Regulations 1992 – Schedule 1);
 - Health and Safety at Work Act 2015;
 - Plumbers, Gasfitters, and Drainlayers Act 2006;
 - Plumbers, Gasfitters, and Drainlayers Regulations 2010.

The following standards, which are available at <http://www.standards.govt.nz>:

- NZS 3604:2011 *Timber-framed buildings*,
- AS/NZS 2728:2013 Prefinished/prepainted sheet metal products for interior/exterior building applications – Performance requirements,
- AS/NZS 3500.3:2021 *Plumbing and drainage, Part 3: Stormwater Drainage*.

The following clauses, current versions, and any related compliance documents, which are available at <https://www.building.govt.nz>:

- New Zealand Building Code Clause E1 Surface Water,
- New Zealand Building Code Clause E2 External Moisture.

The following guide, which is available at <https://www.metalroofing.org.nz/>:

- New Zealand Metal Roof and Wall Cladding Code of Practice.

Any new, amended or replacement referenced standards, codes of practice, guidelines, Building Code Acceptable Solutions and Verification Methods, or authority requirements affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.

2 Definitions

Job requirements refer to specific requirements of the job at hand not covered by job specifications.

Job specifications refer to instructions (oral, written, graphic) and may include any of the following – manufacturer instructions; design drawing detail specifications; specifications from a specialist source such as an architect, designer, engineer, or a supervisor; and site or work specific requirements.

3 Candidates must hold a current limited certificate trainee authorisation or exemption under supervision as issued under the Plumbers, Gasfitters, and Drainlayers Act 2006.

4 Level of performance

To achieve this standard the candidate must be capable of consistently performing the requirements:

- to current and relevant legislation, standards and codes (including safety);
- in an environmentally sustainable manner;
- within an acceptable timeframe;
- in the workplace;
- in different and unfamiliar contexts.

Outcomes and performance criteria

Outcome 1

Confirm work site is prepared for work to begin.

Performance criteria

1.1 Confirm substrate and structure meet codes, standards, job specifications, industry requirements, manufacturer specifications.

1.2 Confirm height safety controls relevant to task are in place.

Range scaffolding, safety nets, harness systems, edge protection, elevated work platforms.

1.3 Confirm adequate material quantities are available and appropriately managed on site.

Outcome 2

Install profiled metal roofing.

Range profiled metal roofing (corrugated, trough section or trapezoidal).

Performance criteria

2.1 Install underlay.

2.2 Install roofing using correct fixing patterns.

2.3 Install metal flashings suitable to roofing profile.

Range ridge, barge, valley, apron, parapet, gutter apron; may be applied to different profiles, provided at least one example of each is demonstrated.

2.4 Complete finishing processes for roofing installation.

Range installing accessories, cleaning swarf and debris from work area, inspecting finished roofing, correcting defects.

Outcome 3

Install profiled metal wall cladding.

Performance criteria

3.1 Install underlay.

3.2 Install cladding using correct fixing patterns.

3.3 Install common metal flashings suitable to cladding profile.

Range head, sill and jambs of windows, internal and external corner, top of wall, bottom of wall (including vermin proofing); may be applied to different cladding profiles, provided at least one example of each is demonstrated.

3.4 Complete finishing processes for cladding installation.

Range installing accessories, cleaning swarf and debris from work area, inspecting finished cladding, correcting defects.

Replacement information	This unit standard, unit standard 30545, unit standard 30547, unit standard 30548, and unit standard 30549 replaced unit standard 21884.
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Planned review date	31 December 2029
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 October 2017	31 December 2028
Review	2	30 May 2024	N/A

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>.

Comments on this unit standard

Please contact Waihangara Rau Construction and Infrastructure Workforce Development Council qualifications@waihangaraarau.nz if you wish to suggest changes to the content of this unit standard.