

<b>Title</b>	<b>Demonstrate knowledge of fixing exterior claddings</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>3</b>

<b>Purpose</b>	People credited with this unit standard are able to describe: requirements relating to the installation of exterior claddings, and the methods of installing exterior claddings.
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<b>Classification</b>	Construction Trades > Carpentry Theory
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<b>Available grade</b>	Achieved
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### Guidance Information

#### 1 Definitions

*E2/AS1* stands for Acceptable Solution E2/AS1 for Clause E2 External Moisture, of the New Zealand Building Code. Copies of the Compliance document are available from Department of Building and Housing (<http://www.dbh.govt.nz/building-code-compliance-documents#free-download>).

*Reinforced plaster exterior insulation and finishing system* is a type of system that consists of a polystyrene substrate with a reinforced plaster finished surface.

*Specific design* is a design that ensures compliance with the Building Act 2004 when the construction requirements of a building deviates from, or is beyond the scope of recognised industry standards (New Zealand Standards, Australia/New Zealand Standards, British Standards and other published standards that govern the construction industry).

*Specifications* refers to documented instructions (oral, written, graphic) and may include any of the following: manufacturer's specifications, recommendations or technical data sheets; material specifications; specifications from a specialist source such as an architect, designer, engineer or a supervisor; site or work specific requirements.

#### 2 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.

#### 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>).

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## Outcomes and performance criteria

### Outcome 1

Describe the requirements relating to the installation of exterior claddings in accordance with manufacturer's specifications, and NZS3604:1999, or specific design.

#### Performance criteria

- 1.1 Exterior claddings are described in terms of their properties and uses.
- Range timber vertical boards, weatherboards (timber, fibre cement, PVC), plywood, fibre cement sheet, masonry veneers, reinforced plaster exterior insulation and finishing systems, stucco (solid plaster), metal, proprietary panels.
- 1.2 The requirements for the installation of exterior cladding underlay, cavity systems and flashings are described in terms of E2/AS1.
- 1.3 Wall framing members are described in terms of specified cladding requirements.
- Range centres, fixings and tolerances.
- 1.4 Methods of calculating required quantity of underlay and wall cladding are described, and accurate sample calculations performed in accordance with industry practice.

### Outcome 2

Describe the methods of installing exterior claddings in accordance with manufacturer's specifications and NZS 3604:1999, or specific design.

Range timber vertical boards, weatherboards (timber, fibre cement, PVC), plywood, fibre cement sheet, masonry veneers, reinforced plaster exterior insulation and finishing systems, stucco (solid plaster), metal, proprietary panels.

#### Performance criteria

- 2.1 Methods used to set out, cut and fix exterior claddings are described.
- 2.2 Methods used to cut, fit and fix joints are described in terms of the interface between different building elements.
- 2.3 Procedures for maintaining health and safety requirements when installing exterior wall cladding are described.
- Range work methods, plant, equipment, identification of hazards and controls.

<b>Replacement information</b>	<p>This unit standard and unit standard 13054 replaced unit standard 618.</p> <p>This unit standard and unit standard 21211 were replaced by unit standard 32452.</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	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	31 December 2023
Rollover	5	28 September 2023	31 December 2024

<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>.