

<b>Title</b>	<b>Demonstrate knowledge of consenting and permit requirements, and meet requirements for refractory installation work</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	<p>This unit standard is intended for people working in the refractory installation industry.</p> <p>People credited with this unit standard are able to demonstrate knowledge of consenting and permit requirements, and meet requirements for refractory installation work to the level required of a commercially competent refractory installation trade professional.</p>
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<b>Classification</b>	Masonry > Refractory Installation
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<b>Available grade</b>	Achieved
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## Guidance Information

### 1 Assessment

This unit standard is one of a family of standards intended to align with the *New Zealand Certificate in Trowel Trades – Specifications*, and the New Zealand Certificate in Trowel Trades (Level 4) with strands in Brick and Block Laying, Floor and Wall Tiling, Proprietary Plaster Cladding Systems, Ferro-cement Tank Manufacture, Refractory Installation, and Solid Plastering (with optional strands in Fixing Cavities and Substrates, and Decorative Mouldings) [Ref: 3137].

Evidence for this unit standard must reflect commercial competence.

Commercial competence requires a candidate to be capable of consistently performing the requirements of the skill specification:

- to current regulatory, industry and commercial standards
- within a commercially viable timeframe
- in commercial environments
- without supervision
- in different and unfamiliar contexts.

Commercial competence must be corroborated and confirmed by a person who has current expertise in the refractory installation trade.

### 2 Definitions

*Job description pack* refers to all required documentation for a provided to a supervisor for a specific job. A supervisor uses the information in the job description pack to provide guidance to the refractory installers.

*Lock Out Tag Out (LOTO)* is the physical restraint of all hazardous energy sources that supply power to a piece of equipment, machinery or system.

*Workplace procedures* refers to the documented procedures specific to a workplace which sets out the standard and the required practices of that workplace.

- 3 Legislation, and guidance information relevant to this standard includes the following, and any subsequent amendments and replacements:

*New Zealand Certificate in Trowel Trades – Specifications*, BCITO, August 2021, available from [www.WaihangaAraRau.nz](http://www.WaihangaAraRau.nz).

Legislation accessed at [www.legislation.govt.nz](http://www.legislation.govt.nz)

- Health and Safety at Work Act 2015,
- Resource Management Act 1991.

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## Skill specification and performance level guidance

### Skill specification

Demonstrate knowledge of consenting and permit requirements, and meet requirements for refractory installation work.

### Knowledge

How the consenting process operates in the New Zealand refractory installation industry.

The requirements and responsibilities of undertaking consented work in the context of refractory installation.

The requirements of permits for refractory installation in New Zealand.

How to use gas monitors to test for atmospheric hazards in confined spaces and record results.

The purpose of supporting documents required for permits to undertake refractory installation operations.

### Skills

Undertake refractory installation work to meet worksite refractory requirements.

Work within the requirements of the workplace and permit receiver for refractory installation operations.

Range adhering to work permits includes adhering to the permit's supporting documents that outline system supports; system supports include – entry procedures, gas monitoring procedures, site evacuation plans.

Undertake and record results of gas monitoring in confined spaces.

Work within a team to undertake refractory installation work to adhere to permits.

Range permits to work includes for – hot work, confined space, job safety environmental analysis (JSEA), escape plan, LOTO, pre-work inspection.

### Performance level guidance

Performance must reflect the requirements of working under a permit receiver, job description pack, and working in hazardous and confined spaces as part of a team relevant to refractory installation.

<b>Replacement information</b>	This unit standard replaced unit standard 31362.
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<b>Planned review date</b>	31 December 2027
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### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	25 August 2022	N/A

<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>.

### Comments on this unit standard

Please contact Waihanga Ara Rau Construction and Infrastructure Workforce Development Council at [qualifications@WaihangaAraRau.nz](mailto:qualifications@WaihangaAraRau.nz) if you wish to suggest changes to the content of this unit standard.