

Title	Demonstrate knowledge of commercial falsework and formwork		
Level	3	Credits	3

Purpose	People credited with this standard can: <ul style="list-style-type: none"> • demonstrate knowledge of purpose and specifications for commercial falsework and formwork; • describe how to erect and strike falsework and formwork for commercial construction; and • demonstrate knowledge of health and safety for erecting and striking falsework and formwork.
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Classification	Construction Trades > Carpentry
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Available grade	Achieved
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Guidance Information

1 Range

Commercial falsework and formwork includes – high wall, column, suspended beam, slab.

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 3109:1997 *Concrete construction*;
- NZS 3124:1987 *Specification for concrete construction for minor works*;
- 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.

2 References

NZS 3109:1997 *Concrete construction*. Available from Standards NZ

(<http://www.standards.co.nz>).

NZS 3124:1987 *Specification for concrete construction for minor works*. Available from Standards NZ (<http://www.standards.co.nz>).

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of purpose and specifications for commercial falsework and formwork.

Performance criteria

1.1 Describe the purposes of falsework and formwork for commercial construction.

Range falsework – timber propping, steel propping;
formwork – fixed shuttering, slip forms, jump forms, permanent formwork.

1.2 Identify and describe provisions in New Zealand Standards that relate to formwork.

Range NZS 3109:1997, NZS 3124:1987.

Outcome 2

Describe how to erect and strike falsework and formwork for commercial construction.

Performance criteria

2.1 Describe how to erect falsework and formwork.

Range strut, brace, tie;
line, level, plumb, specified tolerances, manufacturer specifications, release agents.

2.2 Describe how to maintain falsework and formwork.

2.3 Describe how to strike and store formwork and falsework without damaging components.

Outcome 3

Demonstrate knowledge of health and safety for erecting and striking falsework and formwork.

Range labour, identification of hazards and controls, plant;
 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 Identify and describe health and safety requirements for erecting and striking falsework and formwork.

Replacement information	This unit standard replaced unit standard 13029.
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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	30 September 2021	31 December 2028
Review	2	28 August 2025	31 December 2028

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>.