

Title	Demonstrate knowledge of, and construct templates, run moulds, and make moulds for fibrous plaster work in a factory		
Level	4	Credits	20

Purpose	People credited with this unit standard are able to: describe methods used to construct templates, run moulds, and make moulds for fibrous plaster work in a factory; construct templates for running straight, and curved, moulds in a factory; and run and make moulds in a factory.
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Classification	Construction Trades > Fibrous Plaster
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Available grade	Achieved
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Guidance Information

- 1 Definition
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 All work practices must comply with the following:
 Health and Safety in Employment Act 1992 and Health and Safety in Employment Regulations 1995; Resource Management Act 1991; Building Act 2004; New Zealand Building Code.
- 3 Credit for this unit standard indicates compliance with industry practice. *Industry practice* refers to the ability to demonstrate knowledge and skills that reflect the productivity, uniformity, finish quality and material economies currently accepted within industry.

Outcomes and performance criteria

Outcome 1

Describe methods used to construct templates, run moulds, and make plaster moulds for fibrous plaster work in a factory.

Performance criteria

- 1.1 Methods of making templates are described in accordance with factory requirements and job specifications.

1.2 Methods of running moulds are described in accordance with factory requirements and job specifications.

Range straight, curved, negative, positive.

1.3 Methods of making moulds are described in accordance with factory requirements.

Range plaster, cement.

Outcome 2

Construct templates for running straight moulds for fibrous plaster work in a factory.

Performance criteria

2.1 Moulding profile is determined from working drawings or sample provided, and is drawn full size.

2.2 Template is cut to reverse shape to give required profile for running the mould.

2.3 All operations are completed, workplace, tools and moulds are cleaned, and tools and moulds are stored in accordance with factory requirements.

Outcome 3

Construct templates for running curved moulds for fibrous plaster work in a factory.

Performance criteria

3.1 Moulding profile is determined from working drawings or sample provided, and is drawn full size.

3.2 Radius or curve of moulding is determined from working drawings, and is set out full size.

3.3 Template is cut to reverse shape to give required profile for running the mould.

3.4 Template guides are provided to radius or curve to conform to full size set-out.

3.5 All operations are completed, workplace, tools and moulds are cleaned, and tools and moulds are stored in accordance with factory requirements.

Outcome 4

Run and make moulds for fibrous plaster work in a factory.

Performance criteria

4.1 Bench is prepared for running mould in accordance with factory requirements.

- 4.2 Mould is run using the constructed template.
Range straight, curved.
- 4.3 Running mould is confirmed with template profile.
- 4.4 Prepare mould for casting or making negative mould.
Range one of – plaster, cement.
- 4.5 Negative mould is made and wadded onto framing in accordance with factory requirements.
- 4.6 Negative mould and frame are removed from running mould and prepared for casting.
- 4.7 Plaster is mixed, and moulding is cast and reinforced in accordance with the manufacturer’s specifications and industry practice.
- 4.8 All operations are completed, workplace, tools and moulds are cleaned, and tools and moulds are stored in accordance with factory requirements.

Replacement information	This unit standard, unit standard 23534, unit standard 23535, unit standard 23536, and unit standard 23538 replaced unit standard 6131.
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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	25 January 2008	31 December 2024
Review	2	26 May 2022	31 December 2024

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>.