Title	**Cast fibrous plaster architectural elements**		
Level	**4**	**Credits**	**13**

Purpose	This unit standard aligns with the *New Zealand Certificate in Fibrous Plaster Manufacture – Specifications*, developed on behalf of the fibrous plaster manufacture industry to specify the skills and knowledge required to achieve the New Zealand Certificate in Fibrous Plaster Manufacture (Level 4) with an optional strand in Specialist Models and Mould Making [Ref: 3062]. This unit standard is intended for those working in the fibrous plaster manufacture industry. People credited with this unit standard are able to cast fibrous plaster architectural elements to the level required of a commercially competent fibrous plaster manufacturer.

Classification	Construction Trades > Fibrous Plaster

Available grade	Achieved

Guidance Information

This unit standard is one of a family of standards that align with the *New Zealand Certificate in Fibrous Plaster Manufacture – Specifications* and should be read, interpreted and assessed in the context of those *Specifications* and the New Zealand Certificate in Fibrous Plaster Manufacture (Level 4) with an optional strand in Specialist Models and Mould Making [Ref: 3062].

The overarching level of performance for the family of unit standards is commercial competence.

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

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

The sufficiency of evidence required to demonstrate commercial competence against this unit standard is determined within the context of the family of unit standards aligned to the *Specifications.*

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The assessor must be confident that the candidate is capable of applying the skills and knowledge included in this skill specification to the level, scope and complexity required to support the achievement of related skills included in the *Specifications*.

Commercial competence can only be demonstrated, and must be assessed, in the workplace.

The assessment of commercial competence must be corroborated and confirmed by a person who has current expertise in the fibrous plaster manufacture trade and has had the opportunity to regularly observe the candidate in the workplace.

Reference
New Zealand Certificate in Fibrous Plaster Manufacture – Specifications, Waihanga Ara Rau, October 2018, available from https://www.waihangaararau.nz.

Skill specification and performance level guidance

Skill specification

Cast fibrous plaster architectural elements.

Know Features of the different types of fibrous plaster architectural elements.

Properties and features of different types of moulds used to cast fibrous plaster architectural elements.

How to prepare and use different types of moulds.

Methods of casting different types of fibrous plaster architectural elements.

Methods of storing and drying fibrous plaster architectural elements.

The ratios of ingredients for plaster gauges used in the manufacture of fibrous plaster architectural elements.

Do Prepare moulds to cast fibrous plaster architectural elements.

Cast fibrous plaster architectural elements.

Remove architectural elements from the mould.

Store architectural elements cornice to dry.

Performance level guidance

Types of fibrous plaster architectural elements include – arches, wall niches, battens, panels, tiles, columns and fire surrounds.

Types of moulds include – standard, piece or sectional made from fibreglass, timber, plaster, rubber or a combination of these.

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The quantity of fibrous architectural elements required to be cast on any given day depends on the size, shape and complexity of the product; the availability, quality and set-up of tables and moulds; setting times appropriate to the product; and production requirements.

Casting includes – mixing and applying plaster gauges, adding reinforcement, screeding or forming the back.

Green architectural elements refer to the freshly cast elements yet to be dried.

Planned review date	31 December 2027

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	30 August 2018	N/A
Rollover	2	27 April 2023	N/A
Rollover and Revision	3	28 August 2025	N/A

Consent and Moderation Requirements (CMR) reference	0120

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 qualifications@waihangaararau.nz if you wish to suggest changes to the content of this unit standard.

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