

Title	Produce a design process specification for a composite product		
Level	6	Credits	7

Purpose	People credited with this unit standard are able to produce a design process specification for a composite product.
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Classification	Composites > Specification and Design Composites
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Available grade	Achieved
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Prerequisites	Unit 3187, <i>Produce a laminate specification for a composite product</i> , and Unit 3193, <i>Calculate material quantities for composite production</i> ; or demonstrate equivalent knowledge and skills.
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Guidance Information

1 Definitions

Process specifications refers to the documented instructions and method of applying the materials to manufacture the item which includes time, materials, temperature, and application rates.

Workplace policies and procedures refers to the documented procedures and policies providing guidelines of the tasks and activities carried out in the workplace. This typically includes relevant health and safety policies to manage risk in the workplace.

2 All workplace policies and procedures must meet recognised codes of practice such as the Code of Practice for Health and Safety in the Manufacture of Composites Based on Synthetic Resins (Fibreglass), 1998 and any subsequent amendments.

This code, and other relevant codes of practice, are available at <https://worksafe.govt.nz/>.

Outcomes and performance criteria

Outcome 1

Produce a design process specification for a composite product.

Range composite product may include – plug, pattern, mould, item.
evidence of one composite product is required.

Performance criteria

- 1.1 Product requirements are confirmed with client requirements.
- 1.2 Production parameters are confirmed with client requirements.
- 1.3 Design process specification is produced in accordance with product requirements and production parameters.

Range physical and chemical properties of materials used.

Planned review date	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Status information and last date for assessment for superseded versions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	9 December 1994	31 December 2024
Revision	2	14 April 1997	31 December 2024
Revision	3	5 January 1999	31 December 2024
Review	4	26 September 2001	31 December 2024
Rollover and Revision	5	21 August 2009	31 December 2024
Rollover and Revision	6	26 July 2018	31 December 2024
Review	7	25 August 2022	N/A

Consent and Moderation Requirements (CMR) reference	0136
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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 Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council qualifications@hangaarorau.nz if you wish to suggest changes to the content of this unit standard.