

| | | | |
|--------------|---|----------------|-----------|
| Title | Produce a mould specification for composites | | |
| Level | 5 | Credits | 12 |

| | |
|----------------|---|
| Purpose | People credited with this unit standard are able to produce a mould specification by producing a design brief, selecting materials to be included, and designing the mould specification. |
|----------------|---|

| | |
|-----------------------|--|
| Classification | Composites > Specification and Design Composites |
|-----------------------|--|

| | |
|------------------------|----------|
| Available grade | Achieved |
|------------------------|----------|

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.

Product specifications refers to the documented requirements of the manufactured item.

Workplace policies and procedures refer 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 brief for a mould.

Performance criteria

- 1.1 Design brief produced meets client product end use requirements.
- 1.2 Design brief produced meets workplace procedure requirements for production of moulded item.
- 1.3 Design brief establishes safety hazards and preventative action which is to be taken in accordance with the code of practice.

Outcome 2

Select materials to be included in the mould specification.

Performance criteria

- 2.1 Materials chosen ensure that product is producible.
- 2.2 Materials chosen comply with the design brief.

Outcome 3

Design the mould specification.

Performance criteria

- 3.1 Specification meets material parameters and design brief.
- 3.2 Documentation of product and process specifications describes mould and material parameters and is consistent with workplace policies and procedures.

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 | 9 December 1994 | 31 December 2023 |
| Revision | 2 | 14 April 1997 | 31 December 2023 |
| Revision | 3 | 5 January 1999 | 31 December 2023 |
| Review | 4 | 26 September 2001 | 31 December 2023 |
| Rollover and Revision | 5 | 21 August 2009 | 31 December 2023 |
| Rollover and Revision | 6 | 26 July 2018 | 31 December 2023 |
| Review | 7 | 25 August 2022 | 31 December 2025 |

| | |
|--|------|
| Consent and Moderation Requirements (CMR) reference | 0136 |
|--|------|

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.