

<b>Title</b>	<b>Blend resin components to alter resin rheology for composites</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>3</b>

<b>Purpose</b>	People credited with this unit standard are able to prepare materials and equipment, and blend resin components to alter resin rheology for composites.
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<b>Classification</b>	Composites > Production Composites
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 All work practices 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, available at <http://www.worksafe.govt.nz>, and documented worksite health and safety procedures (where these exceed code) for personal, product, and worksite health and safety, and must meet the obligations required by legislation.
- 2 Learners undertaking assessment against this unit standard are expected to comply with the following legislation and any subsequent amendments –
  - Health and Safety at Work Act 2015
  - Resource Management Act 1991
  - Hazardous Substances and New Organism Act 1996.
- 3 Definitions
 

*Equipment* refers to applicators, dispensers, measuring devices, cutters and cleaning utensils.

*Job requirements* refers to standard requirements such as the volume and quantity of materials to alter resin rheology.

*Process specification* refers to the documented instructions and method of applying the materials to manufacture the item (time, materials, temperature, application rates).

*Product specification* refers to the documented requirements of the manufactured item.

*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 requirements to eliminate hazard/risk in the workplace.

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## Outcomes and performance criteria

### Outcome 1

Prepare materials and equipment to meet job requirements.

#### Performance criteria

1.1 Materials and equipment are prepared and match the job requirements.

### Outcome 2

Blend resin components to alter resin rheology for composites.

#### Performance criteria

2.1 Resin components are blended to meet product and process specifications.

Range resin components – filler, extender, additives.

<b>Planned review date</b>	31 December 2021
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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 2018
Revision	2	14 April 1997	31 December 2018
Revision	3	5 January 1999	31 December 2018
Review	4	26 September 2001	31 December 2018
Rollover and Revision	5	21 August 2009	31 December 2018
Review	6	20 April 2017	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0136
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

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### Comments on this unit standard

Please contact the NZMAC ITO [training@nzmarine.com](mailto:training@nzmarine.com) if you wish to suggest changes to the content of this unit standard.