

<b>Title</b>	<b>Prepare pre-form lamination materials for composites products</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>5</b>

<b>Purpose</b>	People credited with this unit standard are able to prepare pre-form lamination materials for composites products.
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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 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. This code, and other relevant codes of practice, are available at <http://www.worksafe.govt.nz/worksafe>.
- 2 All work practices must meet recognised codes of practice 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 under the Health and Safety at Work Act 2015, Resource Management Act 1991, and Hazardous Substances and New Organisms Act 1996, and any subsequent amendments.
- 3 **Definitions**  
*Equipment* refers to applicators, dispenser, measuring devices, cutters and cleaning utensils.  
*Process specification* refers to the documented order and method of applying the materials to manufacture the item (time, materials, temperature, and application rates).  
*Product specification* refers to the documented requirements of the manufacture 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 policies to manage risk in the workplace.
- 4 **Range**  
Evidence of three different types of job preparation is required for this unit standard. These are expected to be for different use, different size, and different shape.
- 5 The pre-form materials prepared must include external and internal angles, and concave and convex surfaces.

## Outcomes and performance criteria

### Outcome 1

Prepare pre-form lamination materials for composites products.

### Performance criteria

- 1.1 Pre-form equipment is matched with requirements of the product and process specifications.
- 1.2 Pre-form materials are prepared and matched to the requirements of the product specification and are used in accordance with manufacturer's instructions and workplace policies and procedures.

Range resins, reinforcements, catalysts, cores, fillers.

<b>Planned review date</b>	31 December 2026
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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 2017
Revision	2	14 April 1997	31 December 2017
Revision	3	5 January 1999	31 December 2017
Review	4	26 September 2001	31 December 2017
Revision	5	12 February 2003	31 December 2017
Rollover and Revision	6	21 August 2009	31 December 2017
Review	7	8 December 2016	31 December 2023
Review	8	26 August 2021	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>.

### Comments on this unit standard

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