

Title	Plank and glass sheathe a mould or boat		
Level	4	Credits	15

Purpose	People credited with this unit standard are able to: select planking and sheathing materials for boatbuilding; prepare planking for fitting and fixing; fit and fix timber to a framework; and sheath with FRC.
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Classification	Boating Industries > Boatbuilding
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Available grade	Achieved
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Guidance information

- 1 All required equipment must be set up, started up, operated, and shut down in accordance with workplace policies and procedures.
- 2 All work practices must meet recognised codes of practice and workplace policies and procedures (where these exceed code) for personal, product, and workplace health and safety, and must meet the obligations required under the Health and Safety at Work Act 2015, and Resource Management Act 1991, and any subsequent amendments.
- 3 Definitions
FRC (Fibre Reinforced Composite) refers to glass sheathing that may be non-structural on outside only or may be structural glass on the inside and outside of a hull.
Job specifications refers to the standard requirements of the job being undertaken.
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.

Outcomes and performance criteria

Outcome 1

Prepare materials and equipment for planking and sheathing a mould or boat.

Range materials - timber, FRC, fastenings.

Performance criteria

- 1.1 Materials and equipment are prepared to meet job specifications.

- 1.2 Timber is cut to size in accordance with job specifications.
- 1.3 Timber is joined and pre-coated in accordance with job specifications.
- 1.4 Substrate to be sheathed is prepared in accordance with job specifications.

Outcome 2

Fit and fix timber to a framework.

Performance criteria

- 2.1 Framework is faired to job specifications.
- 2.2 Timber is fitted and fixed in accordance with job specifications.
- 2.3 All joint surfaces are fastened in accordance with job requirements.

Outcome 3

Sheathe with FRC.

Performance criteria

- 3.1 Resins and fillers are mixed in accordance with manufacturer's instructions.
- 3.2 Materials are applied in accordance with job specifications and manufacturer's instructions.
- 3.3 Finished product is checked and remedial action is taken if required to ensure job specifications are met.

Planned review date	31 December 2023
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	7 May 1997	31 December 2020
Revision	2	9 October 1998	31 December 2020
Revision	3	20 March 2001	31 December 2020
Revision	4	16 April 2004	31 December 2020
Review	5	21 November 2008	31 December 2020
Revision	6	20 March 2009	31 December 2020
Review	7	26 July 2018	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 the NZ Marine and Composites Industry Training Organisation training@nzmarine.com if you wish to suggest changes to the content of this unit standard.