

Title	Form and shape compound aluminium plate for boats		
Level	4	Credits	10

Purpose	People credited with this unit standard are alloy boat/shipbuilders and are able to: establish plate forming information; select and cut plate; mark plate for forming; and set up wheeling machine.
----------------	--

Classification	Boating Industries > Boatbuilding
-----------------------	-----------------------------------

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

Guidance information

- 1 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, Health and Safety in Employment Regulations 1995, and Resource Management Act 1991, and any subsequent amendments.
- 2 Definitions
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.
- 3 This unit standard applies to vessel plating from 3-25mm thickness and 5000 series aluminium.

Outcomes and performance criteria

Outcome 1

Establish plate forming information.

Performance criteria

- 1.1 Plating thicknesses and locations are established in accordance with the hull plating plan.
- 1.2 Hull framing is confirmed as fair using battens in accordance with job specifications.

- 1.3 Expanded plate shape is established on a pattern, and frame locations marked according to job specifications.
- 1.4 Female patterns are made to describe transverse curvature of plate.
- 1.5 Longitudinal hull curvature is determined in accordance with job specifications.

Outcome 2

Select and cut plate.

Performance criteria

- 2.1 Alloy hull plate is selected, inspected and checked, and plated in accordance with plating specifications.
- Range stretching and forming allowance.
- 2.2 Plate is marked and cut in accordance with job specifications.

Outcome 3

Mark plate for forming.

Performance criteria

- 3.1 Area of plate shaping is determined and marked in accordance with job specifications.

Outcome 4

Set up wheeling machine.

Performance criteria

- 4.1 Wheeling machine is set up with correct formers in accordance with job specifications.
- 4.2 Plate is formed to shape in accordance with job specifications.

Planned review date	31 December 2023
----------------------------	------------------

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	14 December 2007	31 December 2020
Review	2	26 July 2018	N/A

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

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.