

Title	Describe abrasion in the marine environment		
Level	3	Credits	3

Purpose	People credited with this unit standard are able to describe abrasion in the marine environment.
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Classification	Boating Industries > Boatbuilding
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Available grade	Achieved
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Guidance Information

Legislation, regulations, references and/or industry standards relevant to this unit standard include but are not limited to the:

- [Health and Safety at Work Act 2015](#).

Any new, amended or replacement Acts, regulations, rules, standards, codes of practice, guidelines, or authority requirements or conditions affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.

Outcomes and performance criteria

Outcome 1

Describe abrasion in the marine environment.

Performance criteria

- 1.1 Abrasion is described in terms of the mechanical interaction between components.
 - 1.2 The relationship between material properties and abrasion susceptibility is described.
 - 1.3 Common locations of abrasion on marine equipment are identified.
 - 1.4 Conditions that promote abrasion between marine components are explained.
 - 1.5 Inspection techniques for identifying abrasion in the marine environment are described.
- Range visual, audible.

1.6 Consequences associated with abrasion damaged components are explained.

Range safety, cost.

1.7 Protective materials for abrasion are described.

Range chafe guards, rope covers, leather patches, Kevlar and/or Dyneema laminates, bronze half-rounds.

Planned review date	31 December 2030
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	24 July 2025	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 Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council qualifications@hangaarorau.nz if you wish to suggest changes to the content of this unit standard.