

# NATIONAL CERTIFICATE IN BOATBUILDING EXTERIOR MARINE PAINTING (Level 3)

149 CREDITS Version 2

An apprentice completing this NZQA registered qualification will gain the knowledge and skills required to be Marine Industry recognized and qualified as a competent **Exterior Marine Painter**.

This qualification is designed for apprentices who specialise in exterior marine painting, rather than the actual building of boats.

In this qualification, apprentices gain a general knowledge of the Marine Industry, learn about the correct preparation of boats for painting, gain a detailed knowledge of the materials involved and learn general painting skills from filling and fairing through to the application of finish coats. Apprentices also learn about the different types of paint systems and the methods of applying them.

Exterior marine painters are responsible for both the protection and the appearance of the outside hulls and superstructures of boats. Their skills include anti-fouling boats, preparing surfaces for painting including the ability to recognise and prevent material deterioration and applying the build coats (to create depth of colour) and finish coats.

They also need to be able to calculate how much paint is needed for a job (especially important when quoting on jobs).

This qualification takes on average 2 to 2.5 years to complete.



New qualification introduced 2010

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### Unit Standard Content

Unit Number	Unit Title	Level	Credit Value
97	Apply surface coatings by conventional spray techniques	3	12
100	Apply liquid surface coating by airless spray techniques	3	8
414	Demonstrate knowledge of the distribution environment	2	4
6401	Provide first aid	2	1
6402	Provide resuscitation level 2	1	1
9913	Demonstrate knowledge of the New Zealand marine industry	2	3
11786	Anti-foul a boat	4	2
11791	Apply build coats and finish coats for marine exterior paint surfaces	4	20
18158	Select, use and care for hand tools used in boatbuilding	2	5
18159	Select, use and care for portable power tools used in boatbuilding	2	5
18161	Perform measurements and calculations used in boatbuilding	2	5
18163	Demonstrate knowledge of boatbuilding construction drawings and produce related freehand sketches	3	2
18166	Participate in a project team in the boating industry	2	4
23041	Demonstrate knowledge of abrasives and equipment used in marine painting	3	3
23042	Demonstrate knowledge of substrate preparation for marine painting	3	4
23044	Demonstrate knowledge of marine paint technology	3	5
23045	Demonstrate knowledge of paint system calculations for marine paint	4	4
23046	Demonstrate knowledge of marine paint systems application	3	4
23048	Demonstrate knowledge of marine paint finish problems	4	3
23243	Identify and explain the causes and prevention of material deterioration in the marine environment	4	8
23244	Identify and apply health and safety procedures for the boatbuilding industry	3	4
25113	Describe filling and fairing technology used in boatbuilding	3	4
25114	Mask and protect boats for painting	3	4
25155	Fair boat surfaces	3	4
25156	Fill boat surfaces	3	6
25343	Identify boat fittings and fastenings	2	4
25344	Demonstrate knowledge of marine trades and expectations of employees	2	3
25345	Demonstrate knowledge of terminology used in the marine industry	2	6
25998	Demonstrate knowledge of marine paint system repair	3	5
26542	Demonstrate basic knowledge of the operation of recreational craft by day	2	6