

National Certificate in Paint Manufacturing (Level 2)

Level 2

Credits 47

This qualification has been **reviewed**. The last date to meet the requirements is 31 December 2016.

Transition Arrangements

This qualification has been reviewed and designated expiring. It will not be replaced.

People currently working towards this qualification must complete its requirements by 31 December 2016.

For detailed information see Review Summaries on the NZQA website

This qualification contained standards that had expired or been replaced by other standards. For the purposes of this qualification people who have gained credit for the replacement standards are exempt from the requirement to gain credit for the expiring or replaced standards – see table below.

Credit for	Exempt from
1300	9677
2824	21911, 21912
20293	26284, 26285

NZQF National Qualification Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	March 2008	December 2012
Revision	2	May 2011	December 2016
Review	3	September 2015	December 2016

Standard Setting Body

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Reviewed

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Credits 47

Purpose

The National Certificate in Paint Manufacturing (Level 2) [Ref: 1364] is a qualification intended to provide the core skills and knowledge for paint manufacturing. Elective Set A within the qualification is designed to accommodate the common range of dispersion equipment used in the industry, while Elective Set B offers significant flexibility to meet the specific individual's and/or enterprise requirements.

Holders of this certificate are able to work under supervision in paint production, quality control, and paint testing.

This qualification is a prerequisite for the National Certificate in Paint Manufacturing (Level 3) [Ref: 1365] and is the lowest level qualification of the Paint Manufacturing set. Certificate holders are encouraged to undertake further training. People interested in acquiring supervisory skills and knowledge may be interested in undertaking the National Certificate in Business (First Line Management) (Level 3) [Ref: 0743] and the National Certificate in Business (First Line Management) (Level 4) [Ref: 0649].

Replacement Information

This qualification replaced the Paint Manufacturing strand of the National Certificates in Materials Processing at Levels 1 and 2 [Refs: 1072, 1073].

Credit Range

	Compulsory	Elective	
		Set A	Set B
Level 1 credits	2	-	-
Level 2 or above credits	27	4 or 5	13 or 14
Minimum totals	29	18	

Requirements for Award of Qualification

Award of NZQF National Qualifications

Credit gained for a standard may be used only once to meet the requirements of this qualification.

Unit standards and achievement standards that are equivalent in outcome are mutually exclusive for the purpose of award. The table of mutually exclusive standards is provided on the New Zealand Qualifications Authority (NZQA) website: <http://www.nzqa.govt.nz/qualifications-standards/standards/standards-exclusion-list/>.

Reviewed standards that continue to recognise the same overall outcome are registered as new versions and retain their identification number (ID). Any version of a standard with the same ID may be used to meet qualification requirements that list the ID and/or that specify the past or current classification of the standard.

Summary of Requirements

- Compulsory standards
- Elective – A minimum of 18 credits as specified

Detailed Requirements

Compulsory

The following standards are required

Engineering and Technology > Mechanical Engineering > Engineering Core Skills

ID	Title	Level	Credit
21911	Demonstrate knowledge of safety on engineering worksites	2	1
21912	Apply safe working practices on an engineering worksite	2	2

Humanities > Communication Skills > Interpersonal Communications

ID	Title	Level	Credit
1277	Communicate information in a specified workplace	2	3
9677	Participate in a group/team which has an objective(s)	2	3

Manufacturing > Coatings, Inks, and Adhesives > Paint Manufacturing

ID	Title	Level	Credit
20287	Demonstrate basic knowledge of paint and paint production	1	2
20288	Demonstrate knowledge of paint raw material components	2	5
20291	Prepare to assemble and assemble ingredients for paint manufacture	2	3
20292	Prepare and perform paint mixing operations	2	4
20296	Perform basic paint testing	2	2

ID	Title	Level	Credit
26284	Demonstrate knowledge of dispersion equipment used in paint manufacture	3	2
26285	Demonstrate knowledge of dispersion in paint manufacture	3	2

Elective

A minimum of 18 credits at Level 2 or above

From the following sets

- Set A
- Set B

Set A

A minimum of 1 standard

Manufacturing > Coatings, Inks, and Adhesives > Paint Manufacturing

ID	Title	Level	Credit
20294	Prepare to operate, and operate high speed dispersion equipment for paint manufacture	4	4
20295	Prepare to operate, and operate mills to disperse paint	4	5

Set B

A minimum of 13 credits at Level 2 or above

Field	Subfield	Domain
Business	Business Administration	Any
	Business Operations and Development	Any
Computing and Information Technology	Computing	Generic Computing
Core Generic	Core Generic	Any
Engineering and Technology	Electrical Engineering	Core Electrical
	Electronic Engineering	Core Electronics
		Electronic Manufacturing
	Mechanical Engineering	Engineering Core Skills
		Engineering Drawing and Design
		Engineering - Fabrication
		Engineering Machining and Toolmaking
		Engineering - Materials
		Engineering - Measurement
Fluid Power - Hydraulics		
Fluid Power - Pneumatics		

Field	Subfield	Domain
		Maintenance and Diagnostics in Mechanical Engineering
		Mechanical Assembly
		Mechanical Commissioning
		Mechanical Installation
		Welding
	Technology	Any
Health	Health Studies	First Aid
	Occupational Health and Safety	Occupational Health and Safety Practice
Humanities	Communication Skills	Any
	English	Any
	Languages	English for Speakers of Other Languages
Manufacturing	Any	Any
Sciences	Environment	Any
	Mathematics	Any
	Science	Chemistry
		Physics
		Science - Core
Service Sector	Cranes	Crane Operation
	Driving	Driver Licence Endorsements
	Lifting Equipment	Powered Industrial Lift Trucks
	Retail, Distribution, and Sales	Distribution
		Retail and Distribution Core Skills
		Stock Control
	Service Sector Skills	Any

Transition Arrangements

Version 2

Version 2 was issued following revision to update the details and status of reviewed standards and classifications included in the qualification.

Changes to content and structure

- The credit total of the qualification increased from 45 to 47.
- The credit value of standard 20288 increased from 4 to 5.
- Standard 20291 increased from Level 1 to Level 2 and its title was updated.
- Standard 20293 was replaced by newly developed standards 26284 and 26285.
- The option to choose from the expiring *Composites* and *Core Health* domains was removed from Elective Set B and the option to choose from the *First Aid* domain, which replaced the *Core Health* domain, was added.

For detailed information see Review Summaries on the NZQA website.

Version 1 of this qualification is not achievable because standard 20293 in the Compulsory section expired in December 2010. Therefore, all candidates working towards version 1 of this qualification must transfer to this version of this qualification.

This qualification contains standards that replace earlier standards. For the purposes of this qualification, people who have gained credit for the expiring standards are exempt from the requirement to gain credit for the replacement standards – see table below.

Credit for	Exempt from
1300	9677
2824	21911, 21912
20293	26284, 26285

This qualification contains classifications that replace earlier classifications. People who have gained credit for standards in the lapsed or lapsing classifications may continue to use those credits to meet the qualification requirements.

Standards from	Are treated as Standards from
Engineering and Technology > Mechanical Engineering > Fluid Power	Engineering and Technology > Mechanical Engineering > Fluid Power - Hydraulics
Engineering and Technology > Mechanical Engineering > Fluid Power	Engineering and Technology > Mechanical Engineering > Fluid Power - Pneumatics
Service Sector > Distribution	Service Sector > Retail, Distribution, and Sales > Distribution
Service Sector > Distribution	Service Sector > Retail, Distribution, and Sales > Stock Control
Service Sector > Distribution	Service Sector > Retail, Distribution, and Sales > Retail and Distribution Core Skills
Engineering and Technology > Electronics Technology > Core Electronics	Engineering and Technology > Electronic Engineering > Core Electronics
Engineering and Technology > Electronics Technology > Electronic Manufacturing	Engineering and Technology > Electronic Engineering > Electronic Manufacturing
Health > Health Studies > Core Health	Health > Health Studies > First Aid

Competenz has endeavoured to ensure that no person has been disadvantaged by this revision. Anyone who thinks that they have been disadvantaged should, in the first instance, contact the ITO at the address below.

Previous version of the qualification

Version 1 replaced the Paint Manufacturing strand of the National Certificates in Materials Processing at Levels 1 and 2 [Refs: 1072, 1073]. There were significant changes in the content and structure of the new qualification.

Summary of differences between the qualifications

- The Paint Manufacturing strand of the National Certificate in Materials Processing at Levels 1 and 2 with strands [Refs: 1072, 1073] was combined into one new sector-specific Level 2 qualification.
- Seven standards (497, 3503, 8817, 9707, 12355, 12382, 19506), which were compulsory requirements for the Paint Manufacturing strand of the National Certificate in Materials Processing at Levels 1 and 2 with strands [Refs: 1072, 1073], were no longer specified.
- Standard 2824 was replaced by standards 21911 and 21912.
- Standard 20294 was no longer compulsory but was an alternative to standard 20295, which had been added to this qualification.

Additionally the General strand and all the plastics strands of the National Certificates in Materials Processing at Levels 1, 2, and 3 [Refs: 1072, 1073, 1074] were replaced by the National Certificates in Plastics Processing Technology (Production) at Levels 1, 2, and 3 with strands [Refs: 1361, 1362, 1363], and the Glass Containers strand of the National Certificates in Materials Processing at Levels 1 and 2 [Refs: 1072, 1073] was replaced by the National Certificates in Glass Container Manufacturing at Levels 1, 2, and 3 [Refs: 1358, 1359, 1360]. Appropriate transition arrangements were detailed in each of these qualifications. The last date for assessment to take place for the replaced qualifications was 31 December 2009.

Other standard setting bodies whose standards are included in the qualification

Competenz
NZQA

Certification

This certificate will display the logos of NZQA, Competenz Incorporated and the organisation that has been granted consent to assess against standards that meet the requirements of the qualification (accredited).

Classification

This qualification is classified according to the classification system listed on the Directory of Assessment Standards (DAS) and the New Zealand Standard Classification of Education (NZSCED) system as specified below.

DAS Classification	NZSCED
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Code	Description	Code	Description
1896	Manufacturing > Coatings, Inks, and Adhesives > Paint Manufacturing	030199	Engineering and Related Technologies > Manufacturing, Engineering and Technology > Manufacturing Engineering and Technology not elsewhere classified

Quality Management Systems

Providers and Industry Training Organisations must be granted consent to assess by a recognised Quality Assurance Body before they can register credits from assessment against standards. Organisation with consent to assess and Industry Training Organisations assessing against standards must engage with the moderation system that applies to those standards. Consent to assess requirements and the moderation system are outlined in the associated Consent and Moderation Requirements (CMR) for each standard.

Reviewed