

Title	Operate a paint line or booth, and describe factors affecting performance of paints for wood product manufacturing		
Level	3	Credits	5

Purpose	People credited with this unit standard are able to, for wood product manufacturing: demonstrate and apply knowledge of health and safety issues relevant to the safe use of painting techniques; describe factors affecting performance of paints; perform pre-start checks and tests on a paint line or booth; operate a paint line or booth; and shut down paint line or booth.
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Classification	Solid Wood Manufacturing > Wood Product Manufacturing Skills
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Available grade	Achieved
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Guidance Information

- 1 Legislation relevant to this unit standard includes:
Health and Safety at Work Act 2015;
Hazardous Substances and New Organisms Act 1996;
Resource Management Act 1991.
- 2 Definitions
Accepted industry practice refers to approved codes of practice and standardised procedures accepted by the wood product manufacturing industry as examples of best practice.
Job documentation refers to the documentation that is used in the workplace that contains the instructions and requirements for a particular production job. This may include but is not limited to – workplace orders, production orders, workplace specifications, samples, lay cards, components and equipment required.
Job requirements refer to specific requirements for the job at hand. These requirements may or may not be covered in the job documentation and may include special instructions, quality requirements expected by the customer, and/or production standards as set down by the workplace.
Paint booth refers to a standalone paint application booth.
Paint line refers to a production line of painting and associated equipment, which may include paint booths.
Painting techniques may include but are not limited to vacuum coating, paint booths and spray painting.
PPE refers to personal protective equipment such as protective clothing, gloves, safety glasses/headwear/footwear, hearing protection, and safety devices.
Workplace procedures refer to documented policies and procedures set by the organisation carrying out the work, and to documented or other directions provided to staff, and applicable to the tasks being carried out. They may include but are not

limited to standard operating procedures, site specific procedures, site safety procedures, equipment operating procedures, quality assurance procedures, product quality specifications, references, Approved Codes of Practice, housekeeping standards, environmental considerations, on-site briefings, supervisor's instructions, and procedures to comply with legislative and local body requirements relevant to the wood product manufacturing industry.

3 Assessment information

All activities and evidence must meet workplace procedures, accepted industry practice, and job requirements.

Outcomes and performance criteria

Outcome 1

Demonstrate and apply knowledge of health and safety issues relevant to the safe use of painting techniques for wood product manufacturing.

Performance criteria

- 1.1 Safe work practices associated with painting techniques are identified, explained, and used.

Range safe work practices may include but are not limited to – isolation procedures; emergency stops or cut-off procedures; checking of equipment; the wearing of appropriate safety equipment: eye protection, footwear, breathing or ventilation masks.

- 1.2 The consequences of non-conformance with workplace procedures are described in terms of equipment damage, production loss, and personal hazard.

Outcome 2

Describe factors affecting performance of paints for wood product manufacturing.

Performance criteria

- 2.1 Environmental conditions and their effects are described.
- 2.2 The impact of pre-treatment of substrate is described.
- 2.3 Paint application techniques and their impact on the performance of paints are described.
- 2.4 Painted substrate drying system is described.

Outcome 3

Perform pre-start checks and tests on a paint line or booth for wood product manufacturing.

Performance criteria

- 3.1 Substrate availability and quality is confirmed.
- 3.2 Substrate is inspected, any contamination is removed, and defects are reported.
- 3.3 Paint booth and line set up is confirmed in accordance with manufacturer's specifications.
- 3.4 PPE is used in accordance with manufacturer's specifications.
- 3.5 Quality control tests are performed.

Range may include but is not limited to – film build, run speed.

Outcome 4

Operate a paint line or booth for wood product manufacturing.

Performance criteria

- 4.1 Substrate is inputted.
- 4.2 Paint is applied.
- 4.3 Substrate is outputted.
- 4.4 Painted substrate is inspected, and any required adjustments are made.
- 4.5 Drying system is operated.

Range may include but is not limited to – UV dryer, heat tunnel, drying rack.

Outcome 5

Shut down paint line or booth for wood product manufacturing.

Performance criteria

- 5.1 Paint line or booth is shut down in accordance with manufacturer's specifications.
- 5.2 Jobs are prepared for forwarding to the next process.
- 5.3 Documentation is completed.

Planned review date	31 December 2024
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	22 October 2020	N/A

Consent and Moderation Requirements (CMR) reference

0013

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Competenz qualifications@competenz.org.nz if you wish to suggest changes to the content of this unit standard.