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| Title | Form wood furnish for pressing into wood panels | | |
| Level | 4 | Credits | 10 |

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| Purpose | People credited with this unit standard are able to: explain fundamentals of wood panel forming; operate and maintain wood panel formation equipment; monitor and control the performance of the former; and explain and complete maintenance and documentation requirements. |
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| Classification | Wood Manufacturing - Generic Skills > Wood Panel Manufacturing Skills |
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| Available grade | Achieved |
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Guidance Information

- 1 This unit standard is not relevant to people in the plywood and laminated veneer lumber sector for whom the relevant unit standard is Unit 21481, *Lay up veneer for laminated veneer lumber and plywood manufacture*.
- 2 Legislation
Health and Safety at Work Act 2015.
Resource Management Act 1991.
- 3 Definitions
Accepted industry practice refers to approved codes of practice and standardised procedures accepted by the wider wood manufacturing industry as examples of best practice
Corrective action may include actions such as communication to management, communication to on-site technical support person, communication to off-site technical support person, cleaning, communication with maintenance staff, recalibration, or changes made to the operating system in accordance with workplace procedures.
Preventative maintenance refers to the care and servicing of equipment and machinery. This may include periodic checks and inspections, testing, measurements, adjustments, or parts replacement as required in accordance with worksite policies and procedures for the purpose of preventing faults or failures and to maintain production requirements.
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 manufacturing industry sector.

4 Assessment information

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

Outcomes and performance criteria

Outcome 1

Explain fundamentals of wood panel forming.

Performance criteria

- 1.1 A wood furnish formation system is explained.
- Range equipment, operating details.
- 1.2 The method of achieving the specified density of the formed product is explained.
- 1.3 Causes of potential faults are explained in relation to volume and mass.
- 1.4 Hazards associated with wood panel forming are identified, and the use of protective equipment and safety features is explained.
- Range hazards may include but are not limited to – moving equipment, dust, compressed air, radiation;
safety features may include but are not limited to – personal protective equipment, safety isolation procedures, lockouts, emergency stops, guards, spark detection.

Outcome 2

Operate and maintain wood panel formation equipment.

Performance criteria

- 2.1 Formation equipment is set up, started, operated, and shut down.
- 2.2 Wood furnish is formed to achieve the required thickness and density of the finished product.
- 2.3 Any forming faults are identified, and the cause of the faults are established.
- 2.4 Operating faults and malfunctions are identified, and corrective action is taken.
- Range may include but are not limited to – uneven distribution, incorrect weight.
- 2.5 Equipment faults and malfunctions are identified, and corrective action is taken.

Outcome 3

Monitor and control the performance of the former.

Performance criteria

- 3.1 Process requirements, plant performance, and forming quality are maintained by monitoring and interpreting feedback information and adjusting control parameters.
- 3.2 Reject material is identified and removed.
- 3.3 Formed product is monitored and checked for compliance with specifications.

Outcome 4

Explain and complete maintenance and documentation requirements.

Performance criteria

- 4.1 Preventative maintenance and cleaning requirements are explained and applied.
- 4.2 Production, maintenance, and quality records are explained and completed.

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| 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 | 25 January 1995 | 31 December 2012 |
| Review | 2 | 24 November 1995 | 31 December 2012 |
| Revision | 3 | 12 February 1998 | 31 December 2012 |
| Review | 4 | 25 March 1999 | 31 December 2012 |
| Review | 5 | 26 June 2003 | 31 December 2012 |
| Review | 6 | 29 March 2005 | 31 December 2012 |
| Rollover and Revision | 7 | 23 February 2007 | 31 December 2013 |
| Review | 8 | 19 April 2012 | N/A |
| Review | 9 | 23 April 2020 | N/A |

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| Consent and Moderation Requirements (CMR) reference | 0013 |
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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 Competenz qualifications@competenz.org.nz if you wish to suggest changes to the content of this unit standard.