

Title	Compose veneers for laminated veneer lumber and plywood manufacture		
Level	4	Credits	10

Purpose	People credited with this unit standard are able to: demonstrate knowledge of the fundamentals of veneer composing; compose veneers; and monitor and control composing operation, for laminated veneer lumber (LVL) and plywood manufacture.
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Classification	Solid Wood Manufacturing > Laminated Veneer Lumber and Plywood Manufacturing
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Available grade	Achieved
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Guidance Information

- 1 Legislation
Health and Safety at Work Act 2015.
Resource Management Act 1991.
- 2 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.
Compose means to dock and butt join veneers for LVL and plywood production.
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 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 sector.
- 3 Assessment information
All activities and evidence must be in accordance with workplace procedures and accepted industry practice.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of the fundamentals of veneer composing for LVL and plywood manufacture.

Performance criteria

- 1.1 The functions of composers in the LVL and plywood manufacturing process are described.
- 1.2 Operating components and process controls of composers are identified, and their purpose is explained.
- Range may include but are not limited to – glue supply, knives, string maintenance system, error code system.
- 1.3 Hazards associated with veneer composing are identified, and the role of protective equipment and safety features is explained.
- Range hazards may include but are not limited to – hot surfaces, moving machinery, splinters, manual handling, electricity; safety features may include but are not limited to – hold cards and lockouts, stop buttons, guards, personal protective equipment.
- 1.4 The consequences of non-conformance with workplace standards on veneer composing in terms of production, safety, and quality are described.

Outcome 2

Compose veneers for LVL and plywood manufacture.

Performance criteria

- 2.1 Incoming veneer is checked against specifications.
- 2.2 Composers are set up, started, operated, and shut down.
- 2.3 Docked veneers are checked to ensure size requirements are met.
- 2.4 Joints are inspected to ensure they meet the requirements for bond and glue line.
- 2.5 Production rate is maintained.
- 2.6 Quality of output veneers is maintained.

Outcome 3

Monitor and control composing operation for LVL and plywood manufacture.

Performance criteria

- 3.1 Feedback information from controls and checks is monitored and interpreted, and control parameters are adjusted to maintain process requirements, plant performance, and product quality.
- 3.2 Glue supply is monitored and adjusted.
Range volume, flow rate, adhesiveness.
- 3.3 Operating faults and malfunctions are identified, and corrective action is taken.
- 3.4 Preventative maintenance and cleaning requirements are applied.
- 3.5 Production, maintenance, and quality records are completed.
- 3.6 Materials handling systems are monitored and controlled.
Range materials may include but are not limited to – by-product, waste.

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	29 March 2005	31 December 2012
Rollover and Revision	6	23 February 2007	31 December 2013
Review	7	19 April 2012	N/A
Review	8	22 October 2020	N/A

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.