

Title	Wrap wood products using a product wrapping line		
Level	3	Credits	5

Purpose	People credited with this unit standard are able to: explain fundamentals of the product wrapping and product handling line; operate and maintain the product wrapping line; monitor and control the performance of the product wrapping line; and separate, store, recycle, and dispose of off-line product.
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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
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.
Corrective action refers to 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 worksite documentation.
Product wrapping line refers to all lines where the cover is applied and secured with automatic or semi-automatic equipment. Label application may be manual or automated.
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 sector.
Wrapping covers the use of shrinkwrap, stretchwrap, plastic, paper, medium density fibreboard (MDF) coversheets, and pulp materials used to enclose products for distribution.

3 Assessment information

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

Outcomes and performance criteria

Outcome 1

Explain fundamentals of the product wrapping and product handling line.

Performance criteria

- 1.1 Function and purpose of the product wrapping, and product handling line are explained.
- 1.2 Components of a product wrapping line are identified, and their purpose is explained.
- Range components may include but are not limited to – conveyor, scan system, measuring system, wrapping system, labelling system; evidence of a minimum of three is required.
- 1.3 Equipment used to handle off-line product is identified and its role is explained.
- Range equipment may include but is not limited to – knives, guillotines, wire and strapping cutters, fork lifts, waste and recycle bins, conveyors, reel kickers, product lifts, corner protectors, strap; evidence of a minimum of four is required.
- 1.4 Customer and workplace requirements for wrap finishing are explained.
- Range wrapper type, labelling.
- 1.5 Hazards associated with a product wrapping line and off-line handling equipment are identified and actions to be taken to manage the hazards are described.
- Range hazards may include but are not limited to – moving plant, knives, paper cuts, lifting, electricity, automatic plant.
- 1.6 Consequences of non-conformance with workplace procedures are described.
- 1.7 Roles and responsibilities of the product wrapping line operator are described.

Outcome 2

Operate and maintain the product wrapping line.

Performance criteria

- 2.1 Safe work practices associated with operating the product wrapping line and associated handling equipment are identified and applied.
- Range practices may include but are not limited to – isolation procedures, lock outs, emergency stops, machine guarding, wearing appropriate safety equipment.
- 2.2 Product handling equipment is set up, started, operated, and shut down.
- Range operation includes but is not limited to – wrapping materials installed, computer information entry, product wrapped, labels applied, product conveyed to warehouse.
- 2.3 Wrappers are selected to meet customer requirements.
- 2.4 Operating parameters are set and adjusted to achieve production requirements.
- Range production requirements may include but are not limited to – throughput, wrap security, labelling, absence of wrapping defects.
- 2.5 Preventative maintenance and cleaning schedules for the product wrapping line are carried out.

Outcome 3

Monitor and control the performance of the product wrapping line.

Performance criteria

- 3.1 Product quality, efficient plant performance, and process and legislative requirements are maintained.
- Range monitor and interpret feedback information, adjust control parameters.
- 3.2 Any operating and equipment faults and malfunctions are identified, and corrective action is taken.
- Range equipment faults and malfunctions may include but are not limited to – electrical, mechanical, instrumentation.
- 3.3 Output product is checked for compliance with workplace standards for dimension, wrap, and labelling.
- 3.4 Production rate is regulated and maintained in accordance with the process requirements.

Outcome 4

Separate, store, recycle, and dispose of off-line product.

Range may include but is not limited to – rejects and/or downgraded product; product stored off-line temporarily; packaging items including straps, pallets, and wrappers.

Performance criteria

- 4.1 Off-line product is identified for separation, storage, recycling, or disposal.
- 4.2 Equipment is selected to handle the off-line product.
- 4.3 Off-line product is separated, stored, recycled, or disposed of.

Replacement information	This unit standard replaced unit standard 3593 and unit standard 10835.
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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	18 December 2006	31 December 2012
Review	2	25 January 2008	31 December 2012
Rollover and Revision	3	15 April 2011	N/A
Review	4	27 August 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.