



Australian Government

FWPWPP3234 Operate a continuous press for the production of engineered wood panels

Release: 1

FWPWPP3234 Operate a continuous press for the production of engineered wood panels

Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 4.0.

Application

This unit of competency describes the skills and knowledge required to set up, operate and shut down a continuous press used in the production of engineered wood panels.

The unit applies to individuals who work as production operators and technicians in an engineered wood panel facility. Operators generally work under broad or limited direction to complete routine activities related to their own work, and take responsibility for their work.

All work must be carried out to comply with workplace procedures, according to state/territory health and safety regulations, legislation and standards that apply to the workplace.

No licensing, legislative, regulatory or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Unit Sector

Wood Panel Products

Timber Manufactured Products

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for pressing operation	1.1 Review and check work order, workplace health and safety requirements, environmental protection practices and emergency procedures for pressing operation with appropriate personnel

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.2 Identify and report hazards and use personal protective equipment according to workplace requirements and health and safety legislation to maintain safe work practices 1.3 Select the type and quantity of chips, flakes or fibre to be pressed, from a storage location 1.4 Conduct pre-start checks on equipment according to manufacturer recommendations and site requirements 1.5 Plan pressing process according to site procedures 1.6 Communicate plan with relevant personnel as required, to ensure safety and production requirements are met
2. Form, press, test and transfer finished engineered wood panels	2.1 Set and adjust press pressures, temperatures and product parameters according to production requirements 2.2 Check operational condition and set-up of former to confirm mat condition 2.3 Check forming equipment for defects and position to load press according to standard operating procedures 2.4 Press engineered wood panels while monitoring and adjusting the panel position, feed rate, mat condition and press condition 2.5 Plan size changes and line speeds to meet production schedules 2.6 Regularly assess pressed engineered wood panels and thickness changes and make necessary changes to former, press set-up and blending requirements 2.7 Test engineered wood panels samples to confirm adherence to industry standard, and reject defective panels 2.8 Dispose of defective engineered wood panels according to environmental protection requirements 2.9 Transfer finished engineered wood panels for further processing according to site requirements
3. Shut down, clean equipment and record information	3.1 Shut down equipment in coordination with designated stop time and other line operators according to site procedures 3.2 Separate and remove engineered wood panel and forming equipment from press using unloading equipment 3.3 Strip and clean blending equipment, press and handling equipment according to standard operating procedures 3.4 Clear foreign material, dust and debris from machine area

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	according to workplace requirements 3.5 Record and report pressing process and equipment faults to appropriate personnel

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential for performance in this unit of competency but are not explicit in the performance criteria.

Skill	Description
Numeracy	- Monitor gauges, dials, instruments displaying numerical information and cycle times - Estimate feed rate and line speed to meet production requirements - Measure moisture content, weight, thickness and density of panels during testing
Navigate the world of work	Understand main tasks, responsibilities and boundaries of own role
Interact with others	Use modes of communication suitable for the purpose to confirm and clarify understanding
Get the work done	Recognise and respond to routine problems

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPWPP3234 Operate a continuous press for the production of engineered wood panels	FWPWPP3226 Operate a continuous press	Updated industry terminology, workplace health and safety requirements and foundation skills; clarified intent of the unit and assessment requirements; changed	Equivalent unit

		unit title and code for compliance and consistency with the updates.	
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Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>

Assessment Requirements for FWPWPP3234 Operate a continuous press for the production of engineered wood panels

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Performance Evidence

An individual demonstrating competency in this unit must satisfy all of the elements and performance criteria of this unit. There must be evidence that, on at least one occasion, the individual has:

- followed workplace health and safety requirements and environmental protection procedures for forming and pressing engineered wood panels
- operated blending and continuous press equipment to bond and produce engineered wood panel according to production requirements
- identified defective engineered wood panels using visual assessment and by testing sample panels
- disposed of defective engineered wood panels
- redistributed finished engineered wood panels onsite using designated equipment
- performed lockout procedure and cleaned press equipment according to workplace health and safety procedure
- recorded and reported forming and pressing process information (production, quality, faults) using workplace specific recording and reporting channels and protocols (manual or computer-based log, communication with relevant personnel).

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- health and operational safety hazards or risks related to forming and pressing engineered wood panels, as identified through risk assessments, manufacturer technical information, regulations and industry health and safety guides
- workplace procedures specific to forming and pressing engineered wood panels:
 - health and safety, with particular emphasis on equipment lockout, emergency procedures, use of personal protective equipment (PPE) and handling hazardous substances
 - use and maintenance of forming and pressing equipment

- communication reporting lines
- recording and reporting production outcomes and equipment faults
- environmental protection practices for forming and pressing engineered wood panels:
 - reducing water and energy use
 - cleaning plant, tools and equipment
 - identifying and disposing of engineered wood panels and waste materials
- engineered wood panel defects: surface blemishes, discolouration, natural timber defects, deformities and clean scalping from ‘pendistors’
- ingredients and blending methods used in the engineered wood panels pressing process
- chip, flake and fibre characteristics
- procedures for testing engineered wood panel samples to check conformance with industry standard
- adjustment of feed rates to meet production requirements
- common pressed engineered wood panel types: medium density fibreboard, chipboard, fibreboard.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - PPE required for operating a continuous press
 - continuous press with continuous forming line
 - forming equipment
 - chips, flakes or fibre, binding ingredients and hardening agents suitable for the production of engineered wood panels
 - transfer equipment
 - manual or computer-based log to record production, quality and fault information
- specifications:
 - work order
 - pre-start checklist
 - template documents for recording production outcomes, equipment faults and maintenance requirements
 - workplace procedures for forming and pressing engineered wood panels, including health and safety and emergency procedures and environmental protection procedures.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.

Links

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