



Australian Government

FWPWPP2212 Cut panels to profile

Release: 1

FWPWPP2212 Cut panels to profile

Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 5.0.

Application

This unit of competency describes the skills and knowledge required to cut panels to a profile using shaping equipment to produce moulded timber products.

The unit applies to production workers who cut panels to profile in a timber processing or manufacturing facility, and includes operator maintenance.

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 (WPP)

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 profiling	1.1 Review work order to determine job requirements and, where required, seek clarification from appropriate personnel 1.2 Review workplace health and safety procedures, including the use of personal protective equipment, equipment lock-out and safe manual handling techniques

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.3 Identify, assess and take actions to mitigate risks and hazards associated with cutting panels to profile 1.4 Identify workplace environmental protection procedures for minimising and disposing of waste material, cleaning tools and equipment, and maximising energy efficiency 1.5 Obtain type and quantity of panels for profiling from storage location 1.6 Identify profile to be cut, and select cutting blades
2. Set up profiling equipment	2.1 Use equipment according to workplace procedures and manufacturer instructions 2.2 Follow lock-out procedures, select and attach machine guides and install cutting blades 2.3 Set depth of cut or profile in line with required shape and to minimise waste 2.4 Stack panels in close proximity to maximise ease of machine feeding 2.5 Test equipment set-up for correct alignment through trial run, and adjust as required
3. Cut material to profile	3.1 Feed panels into machine at feed rate prescribed by work order and according to manufacturer recommendations 3.2 Follow, maintain and adjust cutting sequence to produce required quantity and maximise feed rate 3.3 Check profiling process regularly, and adjust to maintain desired depth and profile 3.4 Dispose of incorrect cuts, off-cuts and defective material in line with environmental protection practices 3.5 Stack panels safely in designated location in line with work order
4. Complete operator maintenance	4.1 Follow organisational safety procedures to lock out equipment 4.2 Check cutting blades for bluntness or damage 4.3 Remove and replace cutting blades in line with manufacturer recommendations 4.4 Keep machine clear of dust and debris in line with organisational safety procedures 4.5 Record and report production outcomes, equipment faults and

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	maintenance requirements 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	- Identifies quantities of required material within work orders, and counts numbers of panels to be profiled - Completes basic calculations of required depth of cut or profile - Measures finished dimensions against specifications and appropriate tolerances
Navigate the world of work	Understands main tasks, responsibilities and boundaries of own role
Interact with others	Uses modes of communication suitable to confirm and clarify understanding
Get the work done	Recognises and responds to routine problems

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPWPP2212 Cut panels to profile	FWPWPP2210 Cut panels to profile	Revised performance criteria to include workplace health and safety requirements; revised performance evidence for mapping; updated foundation skills	Equivalent unit

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 FWPWPP2212 Cut panels to profile

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Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that, on at least one occasion, the individual has:

- followed a work order and relevant workplace health and safety and environmental protection procedures
- produced profiled panels for one or more of the following types of material in line with individual work orders that prescribe different profiles and number of panels for each job:
 - medium density fibreboard
 - laminated veneer
 - chipboard
 - fibreboard
- completed profiling of product chosen from the following list:
 - quad
 - beading
 - mouldings
 - shaped beams
 - architraves
 - skirting boards
 - scotia
- stacked batches of profiled panels in storage location according to common profile type and dimension
- completed operator maintenance on the profiling equipment used.

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:

- environmental protection practices for forest products factory settings:

- reducing water and energy use
- cleaning plant, tools and equipment
- disposing of, recycling and reusing timber and other waste
- storage layout and categories for:
 - raw materials
 - stacking finished panels
- typical timber panel defects and how they affect ability to produce quality profiled product:
 - warp
 - wane
 - cupping
 - holes
 - breakages
 - lifting veneer
 - bonding problems
- common profiles and applicable terminology
- common cutting patterns, sequences and appropriate feed rates used to achieve common profiles
- purpose, features and operation of equipment used to cut panels to profile:
 - measuring equipment
 - multi-head planing machines (four sided)
 - spindle moulders
 - routing machines
 - shaping machines
 - machine guides
- methods for assessing cutting blade condition, and completing basic non-specialist repair and maintenance for profiling equipment
- organisational procedures specific to cutting panels to profile:
 - workplace health and safety, with particular emphasis on equipment lock-out and use of personal protective equipment (PPE)
 - communication reporting lines
 - recording and reporting production outcomes, equipment faults and maintenance requirements.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a timber processing or manufacturing facility or an environment that accurately represents workplace conditions
- resources, equipment and materials:

- measuring equipment
- profiling equipment that includes one or more of the following: multi-head planing machines (four sided); spindle moulders; routing machines; shaping machines
- machine guides
- maintenance tools and equipment
- consumable profile cutting blades in various shapes and sizes
- PPE suitable for cutting panels to profile
- commercial timber that includes one or more of the following: medium density fibreboard; laminated veneer; chipboard; fibreboard
- specifications:
 - manufacturer instructions for use and maintenance of equipment
 - work order for cutting activities with specific instructions for cutting and storing panels
 - template documents for recording production outcomes, equipment faults and maintenance requirements
 - organisational procedures for cutting panels to profile.

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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<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47>