



Australian Government

FWPCOT2252 Band edges of panels

Release: 1

FWPCOT2252 Band edges of panels

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 set up, operate and maintain edge banding machines that use automated processes to apply and finish edge treatments.

The unit applies to individuals who operate equipment and apply edge banding to timber panels in a forest and forest product factory setting.

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

Pre-requisite Unit

Nil

Unit Sector

Common Technical (COT)

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 edge banding	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 1.3 Identify, assess and take actions to mitigate risks and hazards associated with banding edges of panels 1.4 Identify workplace environmental protection procedures for

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	minimising and disposing of waste material, cleaning tools and equipment, and maximising energy efficiency 1.5 Identify type and quantity of panels to be edge-banded, and obtain panels 1.6 Select appropriate tools and equipment, and check for operational effectiveness according to manufacturer recommendations 1.7 Select edge banding process according to work order
2. Set up edge banding equipment	2.1 Follow lock-out procedures, set machine to suit material to be edged and adjust as required 2.2 Use equipment according to workplace safety procedures, manufacturer instructions and environmental protection practices 2.3 Conduct test runs to check machine operation, accuracy and quality of finished work and make adjustments to machine settings 2.4 Use suitable tested materials for processing, or reject and dispose of according to environmental protection practices
3. Apply edging	3.1 Feed panels into machine according to manufacturer instructions and safety procedures 3.2 Monitor machine operations to ensure product quality and output 3.3 Minimise waste by checking trim distances for cut off on each panel 3.4 Assess condition of panels and repair, recycle, reuse or dispose of sub-standard panels according to environmental protection practices 3.5 Identify routine processing and equipment faults, and resolve or report to appropriate personnel 3.6 Complete production and quality records and report according to procedures
4. Complete operator maintenance	4.1 Follow workplace safety procedures to lock out equipment 4.2 Check edging mechanisms for bluntness and build-up of glue, and rectify 4.3 Check and reload edge treatments according to manufacturer recommendations 4.4 Clear dust and debris from machine area 4.5 Record and report equipment faults and 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
Reading	Extracts key information from operational manuals to determine safe operating procedures for equipment
Writing	Prepares routine written reports using required format, language and structure
Oral communication	Employs active listening and questioning to clarify content of work orders
Numeracy	- Identifies quantities of required material within work orders, and counts raw materials - Reads basic numerical machine settings, and chooses according to panel dimensions - Performs basic calculations to determine trim distances for panels - Completes routine production records involving dimensions and quantities tallied against orders
Navigate the world of work	Understands main tasks, responsibilities and boundaries of own role
Interact with others	Uses modes of communication suitable to purpose 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
FWPCOT2252 Band edges of panels	FWPCOT2224 Band edges of panels	Reworded application statement; updated performance criteria to reflect environmental and workplace health and safety requirements; updated foundation skills; added performance evidence to map to performance criteria; updated	Equivalent unit

		unit code to reflect changes and meet compliance	
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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 FWPCOT2252 Band edges of panels

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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 the individual has, on at least one occasion, operated equipment that applies edge banding to timber panels, and has:

- followed work order and relevant workplace health and safety and environmental protection procedures
- selected the appropriate machine settings for:
 - panel size
 - squareness
 - profile
 - edge treatment width
 - alignment of the edge treatment
 - speed of the application
 - trim allowances
 - glue application rates (if not glue-backed)
- applied edging to the timber panels in line with the work orders using one or more materials from the following list:
 - laminated veneer
 - chipboard
 - fibreboard
 - medium density fibreboard
- completed routine operator maintenance on equipment.

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
- key features of panel products and purpose of edging
- edge banding techniques:
 - checking the trim distances for cut off on each panel
- appropriate machine settings for:
 - panel size
 - squareness
 - profile
 - edge treatment width
 - alignment of the edge treatment
 - speed of the application
 - trim allowances
 - glue application rates (if not glue-backed)
- types, purpose, features, operation and basic non-specialist repair and maintenance of tools and equipment used for banding edges of panels:
 - automated edge banding machines
 - mechanical edge banding machines
 - glue-backed veneer edge strip role
 - timber edging strips
 - laminate edge stripping (glue-backed or glued, on a roll or in strips)
- methods for assessing condition of edging mechanisms
- workplace procedures specific to banding edges of panels:
 - workplace health and safety, with particular emphasis on equipment lock-out
 - use and maintenance of equipment
 - communication reporting lines.

Assessment Conditions

Assessment of skills must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a forest product factory setting or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - automated edge banding machines or mechanical edge banding machines
 - glue-backed veneer edge strip roll
 - timber edging strips
 - laminate edge stripping (glue-backed or glued, on a roll or in strips)
 - maintenance tools and equipment for edging mechanisms

- personal protective equipment suitable for banding edges of panels
- a diverse, comprehensive and commercial product range of panels
- template documents for recording production outcomes and equipment faults
- specifications:
 - manufacturer instructions for use, repair and maintenance of equipment
 - work order with specific instructions for banding the edges of panels
 - workplace procedures for banding edges of panels.

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>