



Australian Government

FWPCOT2224 Band edges of panels

Release: 1

FWPCOT2224 Band edges of panels

Modification History

Release	Comment
1	Replaces equivalent unit FPICOT2224B Band edges of panels, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format

Application

This unit of competency describes the outcomes required to set up, operate and maintain edge banding machines that use automated processes to apply and finish edge treatments.

The unit applies to timber products operators that apply edge banding to timber panels in a wood products factory setting

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

Pre-requisite Unit

Nil

Unit Sector

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. Where bold italicised text is used, further information is detailed in the range of conditions.</i>
1. Prepare for edge banding	1.1 Review work order and where required check with appropriate personnel. 1.2 Identify type and quantity of panels to be edge banded and obtain panels. 1.3 Select appropriate equipment and check for operational

	effectiveness in line with manufacturer's recommendations. 1.4 Select edge banding process in line with 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 in line with organisational safety procedures, manufacturer's instructions 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 in line with environmental protection practices.
3. Apply edging	3.1 Feed panels into machine in line with manufacturer's 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 Repair sub-standard panels, dispose of or recycle in line with 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 in line with organisational procedures.
4. Complete operator maintenance	4.1 Follow organisational 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 in line with 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 core and employment skills that are essential to performance and are not explicit in the performance criteria.

Numeracy skills to:	identify quantities of required material within work orders and count raw materials
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	• read basic numerical machine settings and choose according to panel dimensions • complete basic calculations to determine trim distances for panels • complete routine production records involving dimensions and quantities tallied against orders.
Oral communication skills to:	• ask questions and actively listen to clarify contents of work orders • make accurate verbal reports on processing and equipment faults.
Reading skills to:	• interpret: • workplace health and safety and other organisational procedures • work orders • manufacturers' instructions and maintenance recommendations.
Writing skills to:	• complete accurate basic records for production outcomes, equipment faults and maintenance requirements.
Planning and organising skills to:	• efficiently and logically sequence the stages of preparation and production using work order to guide activities.
Problem-solving skills to:	• identify and dispose of sub-standard panels • recognise faulty equipment and resolve by reporting or rectifying.
Technology skills to:	• select, use and maintain appropriate machinery, tools and personal protective equipment used for cutting activities...

Range of Conditions

Not Applicable

Unit Mapping Information

FPICOT2224B Band edges of panels

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for FWPCOT2224 Band edges of panels

Modification History

Release	Comment
	Replaces equivalent unit FPICOT2224B Band edges of panels, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2. This is the first release of this unit in the new standards format. Assessment requirements now specify the performance and knowledge evidence, as well as assessment conditions for this unit of competency. These sections simplify and replace components used in the previous unit format, including Required Skills and Knowledge, Evidence Guide and Range Statement.

Performance Evidence

- A person demonstrating competency in this unit must satisfy all of the elements, performance criteria and foundation skills of this unit. If a specific volume or frequency is not stated below, then evidence must be provided that the following requirements have been performed on at least one occasion:
- apply edging to one or more timber panels in line with individual work orders using one or more materials from the following list:
 - laminated veneer
 - chipboard
 - fiberboard
 - medium density fiberboard
- select 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).
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Knowledge Evidence

A person competent in this unit must be able to demonstrate 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 of tools and equipment used for banding edges of panels; their purpose, features, operation and basic non-specialist repair and maintenance:
 - 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 role or in strips)
- methods for assessing condition of edging mechanisms
- organisational 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.
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Assessment Conditions

The following resources must be made available:

- tools and equipment used to band edges of panels including:
 - 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 role 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
- manufacturers':
 - instructions for equipment use
 - recommendations for cleaning, repairing and maintaining
- work order with specific instructions for banding the edges of panels
- template documents for recording production outcomes and equipment faults
- organisational procedures for banding edges of panels.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting.

Assessor requirements

Assessors must:

- hold the appropriate assessor competency standards as outlined in regulations; and
- be able to demonstrate vocational competencies at least to the level being assessed; and
- be able to demonstrate how they are continuing to develop their VET knowledge and skills as well as maintaining their industry currency and assessor competence.
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