



Australian Government

FWPCOT2209 Produce finger jointed timber

Release: 1

FWPCOT2209 Produce finger jointed timber

Modification History

Release	Comment
1	Replaces equivalent unit FPICOT2209B Produce finger jointed timber, 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 produce finger jointed timber, including preparing and mixing glue and maintaining production processes to ensure quality and continuity of supply.

The unit applies to timber products operators involved with the production of finger jointed timber in a forest 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

Sawmilling and Processing

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 operation	1.1 Review work order and where required check with appropriate personnel. 1.2 Identify glue requirements and mix to ensure minimal wastage;

	dispose of excess material in line with environmental protection practices. 1.3 Select appropriate equipment and check for operational effectiveness in line with manufacturer's recommendations.
2. Start jointing process	2.1 Prepare materials and check samples in line with organisational procedures. 2.2 Use equipment in line with organisational safety procedures, manufacturer's instructions environmental protection practices. 2.3 Commence jointing process, identify problems and adjust settings. 2.4 Check finished joints for strength and appearance in line with organisational quality standards. 2.5 Dispose of sub-standard samples and finished products in line with environmental protection practices.
3. Maintain production flow	3.1 Run automatic jointing process and regularly check correct operation of all sections. 3.2 Monitor processes to ensure continuity of supply and processing. 3.3 Evaluate product quality regularly and make required adjustments. 3.4 Clear work area regularly in line with organisational safety procedures. 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 cutters and saw blades for bluntness or damage. 4.3 Remove and replace cutters and blades in line with manufacturer's recommendations. 4.4 Dispose of used blades in line with organisational procedures and environmental protection practices. 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:	- calculate quantity of glue to meet work order production requirements - calculate routine mixing ratios for glue - calculate time for glue to cure - complete routine production records involving 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 - safety data sheets for glue - 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 samples and finished products - 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 producing finger jointed timber.

Range of Conditions

Not Applicable

Unit Mapping Information

FPICOT2209B Produce finger jointed timber

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 FWPCOT2209 Produce finger jointed timber

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1	Replaces equivalent unit FPICOT2209B Produce finger jointed timber, 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:
- produce finger jointed timber in line with an individual work orders involving the following processes:
 - identify and confirm cross section of cleats/shooks to match finger jointing machine setup
 - load cleats/shooks to conveyor
 - reject cleats/shooks not meeting grading requirements
 - feed cleats/shooks to jointing operation
 - machine fingers on cleats/shooks
 - cure and apply glue to cleats/shooks
- monitor process to ensure continuity of production by completing these processes:
 - recognise and rectify blunt or damaged cutters
 - check and adjust settings for glue curing
 - clean and fill glue spreader
 - coordinate supply of cleats/shooks
 - dock finished boards with others to ensure continuous supply.

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
 - safely disposing of, recycling and reusing timber and other waste
- types of glue used for producing finger jointed timber; procedures and standards for mixing, curing and applying it
- range of industry standard cross sections, their strength, tolerances and applicable terminology
- types of tools and equipment used for producing finger jointed timber; their purpose, features, operation and basic non-specialist repair and maintenance:
 - that used for glue mixing and preparation
 - finger jointing machine stations and equipment
 - conveyors
- methods for assessing cutters and blade condition
- monitoring processes for automated jointing machines
- organisational procedures specific to producing finger jointed timber:
 - workplace health and safety with particular emphasis on equipment lock out
 - use and maintenance of equipment
 - communication reporting lines
 - recording and reporting production outcomes and equipment faults.
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Assessment Conditions

The following resources must be made available:

- tools and equipment used to produce finger jointed material
- maintenance tools and equipment for saws
- glue
- consumable components; cutters, saw blades
- personal protective equipment suitable for producing finger jointed timber
- a diverse, comprehensive and commercial product range of timber
- manufacturers:
 - instructions for mixing and curing glue
 - instructions for equipment use
 - recommendations for cleaning, repairing and maintaining
- work order with specific instructions for producing finger jointed timber products
- template documents for recording production outcomes and equipment faults
- organisational procedures for producing finger jointed timber.

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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