



Australian Government

FWPCOT2230 Assemble products

Release: 2

FWPCOT2230 Assemble products

Modification History

Release	Comments
Release 2	This version released with FWP Forest and Wood Products Training Package Version 4.0.
Release 1	This version replaces equivalent unit FPICOT2230B Assemble products, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2.

Application

This unit of competency describes the skills and knowledge required to prepare and assemble construction-ready timber products. Work also involves stacking, strapping and despatching assembled timber products in readiness for transport to a construction site.

The unit applies to individuals who assemble products for despatch in a timber product manufacturing 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

Timber Manufactured Products

Wood Panel and Board Production

Sawmilling and Processing

Elements and Performance Criteria

Elements	Performance Criteria
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<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for assembly work	1.1 Review construction plans, work order, workplace health and safety requirements, environmental protection practices and emergency procedures for assembly operation and, where required, clarify with appropriate personnel 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 Identify and obtain the type and quantity of material to be assembled and hardware 1.4 Select appropriate tools and equipment and check for operational effectiveness according to manufacturer recommendations 1.5 Identify and prepare set-up jigs required for assembly
2. Set up timber components	2.1 Select timber components from the pre-cut material according to cutting list 2.2 Reject material with defects and dispose of according to environmental protection practices 2.3 Use equipment according to workplace health and safety procedures and manufacturer instructions 2.4 Position and clamp timber components in jigs ready for joining, and check for allowable faults, joins and grain according to construction standards and grading rules 2.5 Staple timber components to maintain temporary alignment during assembly
3. Install assembly hardware	3.1 Position and install hardware on joints according to construction plans 3.2 Nail or staple temporary bracing to the product according to construction standards 3.3 Correct assembly faults 3.4 Identify routine processing and equipment faults and resolve or report to appropriate personnel
4. Prepare timber products for despatch and report	4.1 Check finished timber product for quality and label according to work order 4.2 Remove timber product from jigs and safely stack in a designated location 4.3 Strap, pack and label finished timber products ready for transportation

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	4.4 Avoid wastage of strapping and packaging materials and maximise use of recycled materials 4.5 Complete quality records and report for production outcomes, equipment faults and maintenance requirements according to workplace procedures

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
Writing	Produce basic clear labels for product identification and transportation
Numeracy	- Count quantities of materials and hardware components and select appropriate sizes - Complete routine calculations for component layouts - Accurately measure lengths and angles
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
FWPCOT2230 Assemble products Release 2	FWPCOT2230 Assemble products Release 1	Updated workplace health and safety requirements in performance criteria; clarified the intent of	Equivalent unit

		unit and assessment requirements; updated foundation skills; updated frequency and volume of the performance evidence.	
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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 FWPCOT2230 Assemble products

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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:

- assembled three or more of the following types of timber products according to an individual work order, construction plan and workplace health and safety requirements:
 - pallets
 - crates
 - trellises
 - stairs
 - doors
 - windows
 - beams
- strapped, packed and labelled bundles of completed timber products ready for transportation
- completed a detailed and accurate report for production outcomes and equipment faults.

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 safety hazards or risks related to assembling timber products, as identified through risk assessments, manufacturer technical information, regulations and industry health and safety guides
- workplace procedures specific to assembling timber products:
 - health and safety, with particular emphasis on personal protective equipment (PPE) and equipment lockout

- use of equipment for assembling timber products
- communication reporting lines
- recording and reporting production outcomes and equipment faults
- environmental protection practices for timber product manufacturing facilities:
 - reducing water and energy use
 - cleaning plant, tools and equipment
 - disposing of, recycling and reusing timber
- typical timber component defects and how these affect the ability to produce a quality finished product:
 - warp
 - wane
 - cupping
 - shakes
 - insect defects
 - knots
 - resin pockets
- assembly sequences
- componentry and construction standards
- typical assembly faults triggering a correction to ensure timber product quality, including:
 - incorrectly positioned joints
 - timber splits from nailing
 - incorrectly positioned hardware
- storage layout and categories for stacking finished timber products
- types of tools, equipment and assembly hardware used for assembling timber products, their purpose, features and operation:
 - measuring equipment
 - assembly jigs
 - nail plate presses
 - staple guns
 - nail guns
 - compressor or compressed air supply
 - marking equipment
 - strapping equipment
 - nailing plates
 - gang nails
 - nail gun nails
 - staples.

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:
 - tools and equipment used to assemble timber products
 - assembly hardware
 - PPE suitable for assembling timber products
 - pre-cut sections of timber
- specifications:
 - manufacturer instructions for equipment use
 - work order and construction plan with specifications for assembling timber products
 - template documents for recording production outcomes and equipment faults
 - workplace procedures for assembling timber products, 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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