



Australian Government

FWPCOT2258 Assemble products

Release: 1

FWPCOT2258 Assemble products

Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 6.0.

Application

This unit of competency describes the skills and knowledge required to assemble construction-ready timber products. This unit includes preparing for assembly work, assembling timber products, installing assembly hardware and stacking, strapping and labelling timber products ready for transportation.

The unit applies to individuals who assemble products in a timber product manufacturing facility.

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 assembly work	1.1 Determine job requirements from work order or instruction and construction plans and, where required, seek clarification from appropriate person 1.2 Confirm safety requirements for the task according to workplace safety procedures 1.3 Identify, assess and take actions to mitigate risks and hazards associated with the assembly of timber products

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.4 Identify workplace environmental requirements for minimising and disposing of waste material, recycling and reusing materials and cleaning tools and equipment 1.5 Consult with team members and other appropriate personnel to ensure that work is coordinated effectively with others in the workplace 1.6 Locate tools and equipment needed for the work, and check for correct operation and safety 1.7 Identify and obtain the type and quantity of material and hardware to be assembled 1.8 Select, fit and use personal protective equipment 1.9 Identify and prepare set-up jigs required for assembly
2. Set up timber components	2.1 Select timber components from the pre-cut materials list 2.2 Reject material with defects and dispose of following environmental requirements 2.3 Use equipment following workplace safety requirements 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
3. Install assembly hardware	3.1 Position and install hardware on joints according to construction plans 3.2 Identify and correct assembly faults as required 3.3 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 4.4 Avoid wastage of strapping and packaging materials and maximise use of recycled materials 4.5 Complete quality records and report production outcomes,

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	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
Reading	Extract relevant product information and job requirements from organisational and workplace documentation
Writing	- Complete basic clear labels for product identification and transportation - Use industry terminology to accurately complete records
Oral communication	- Ask questions and actively listen to clarify contents of work plans - Use clear and unambiguous language to coordinate work with team members
Numeracy	- Count individual components and hardware and add together to calculate total quantities of appropriate sizes - Complete routine calculations for component layouts

Unit Mapping Information

Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT2258 Assemble products	FWPCOT2230 Assemble products	Application and Foundation Skills updated and reworded Performance Criteria updated and re-sequenced Performance Evidence and Knowledge Evidence updated and reworded	Equivalent

Code and title current version	Code and title previous version	Comments	Equivalence status
		Assessment Conditions updated	

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 FWPCOT2258 Assemble products

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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 three different occasions:

- assembled one or more timber products from the following list:
 - pallets
 - crates
 - trellis
 - stairs
 - doors
 - windows
 - beams
- prepared the timber products for transportation
- completed associated workplace documents
- followed work order or instruction, policies and procedures and current workplace safety and environmental requirements in completing the task

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:

- workplace environmental requirements for assembling timber products
- regulations and standards related to timber products and grading
- workplace safety requirements for assembling timber products:
 - personal protective equipment (PPE)
 - equipment lock-out
 - use of equipment
 - electrical hazards
 - hazard identification and control measures

- exposure to excessive noise
- exposure to dust
- methods, processes and techniques for:
 - assembly sequences
 - storage layout and stacking finished timber products
- workplace requirements for recording and reporting production outcomes and equipment faults
- 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
- typical assembly faults triggering a correction to ensure timber product quality:
 - incorrectly positioned joints
 - timber splits from nailing
 - incorrectly positioned hardware
- types, purpose, features and operation of tools, equipment and assembly hardware used for assembling timber products:
 - measuring equipment
 - assembly jigs
 - staple guns
 - nail guns
 - compressed air safety and operation
 - marking equipment
 - strapping equipment
 - nail gun nails
 - staples.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a timber product manufacturing facility or 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 for using to assemble timber products
- specifications:
 - access to work order or instruction detailing timber products to be assembled by operator
 - access to timber product construction plans
 - access to workplace safety and environmental policies and procedures applicable to timber product assembly
 - access to workplace procedures and forms for recording production outcomes and equipment maintenance and faults
 - manufacturer specifications for equipment used to assemble timber products.

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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