

Modification history

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

FWPCOT2XXX	Assemble products
Application	This unit of competency describes the skills and knowledge required to assemble construction-ready timber products. It 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.
Prerequisite Unit	Nil
Unit Sector	Common technical (COT)

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 Read and interpret work order or instruction and construction plans to determine job requirements and, where required, seek clarification from appropriate person 1.2 Read and follow workplace 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 the assembly of timber products 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 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 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

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. 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, equipment faults and maintenance requirements according to workplace procedures

Foundation Skills	
<i>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.</i>	
Skill	Description
Reading	<ul style="list-style-type: none"> Extract relevant product information and job requirements from organisational and workplace documentation
Writing	<ul style="list-style-type: none"> Complete basic clear labels for product identification and transportation Use industry terminology to accurately complete records and reports
Oral communication	<ul style="list-style-type: none"> Ask questions and actively listen to clarify contents of work plans Use clear and unambiguous language to coordinate work with team members
Numeracy	<ul style="list-style-type: none"> Count individual components and hardware and add together to calculate total quantities appropriate sizes Complete routine calculations for component layouts

Unit Mapping Information			
Code and title current version	Code and title previous version	Comments	Equivalence status
FWPCOT2XXX Assemble products	FWPCOT2230 Assemble products	Application and Foundation Skills – updated and reworded Performance Criteria – update and re-sequenced Performance Evidence and Knowledge Evidence – updated and reworded Assessment Conditions - updated to stipulate mandatory conditions	Equivalent unit

Links	Companion Volumes, including Implementation Guides, are available at VETNet: https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0d96fe23-5747-4c01-9d6f-3509ff8d3d47
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TITLE	Assessment requirements for FWPCOT2230 Assemble products
Performance Evidence	
<p>An individual demonstrating competency in this unit must satisfy all of the elements and performance criteria of this unit.</p> <p>There must be evidence that the individual has:</p> <ul style="list-style-type: none"> • assembled three different types of timber products selected from the following list: <ul style="list-style-type: none"> • pallet • crate • trellis • stairs • door • window • beam • prepared three different types of completed timber products for transportation • completed associated workplace documents • followed work order or instruction, policies and procedures, current workplace safety and environmental requirements. 	
Knowledge Evidence	
<p>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:</p> <ul style="list-style-type: none"> • workplace safety and environmental requirements • relevant regulations, standards and codes of practice • organisational policies and procedures • workplace safety: <ul style="list-style-type: none"> • personal protective equipment (PPE) • equipment lockout • use of equipment • electrical hazards • hazard identification and control measures • exposure to excessive noise • exposure to dust • methods, processes and techniques for: <ul style="list-style-type: none"> • assembly sequences • storage layout and stacking finished timber products • communications and reporting • recording and reporting production outcomes and equipment faults • typical timber component defects and how these affect the ability to produce a quality finished product: <ul style="list-style-type: none"> • warp • wane • cupping • shakes • insect defects • knots • resin pockets • typical assembly faults triggering a correction to ensure timber product quality: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> • measuring equipment • assembly jigs • nail plate presses • staple guns 	

Knowledge Evidence
<ul style="list-style-type: none"> • nail guns • compressor or compressed air supply • marking equipment • strapping equipment • nailing plates • gang nails • nail gun nails • staples.

Assessment Conditions
<p>Assessment of the skills in this unit of competency must take place under the following conditions:</p> <ul style="list-style-type: none"> • physical conditions <ul style="list-style-type: none"> • skills must be demonstrated in a workplace location or an environment that accurately represents workplace conditions • resources, equipment and materials: <ul style="list-style-type: none"> • tools and equipment used to assemble timber products • assembly hardware • PPE suitable for assembling timber products • pre-cut sections of timber • specifications <ul style="list-style-type: none"> • work order or instruction, policies and procedures, standards and codes of practice • workplace safety and environmental documentation • manufacturers' specifications. <p>Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, frameworks and/or standards.</p>

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