



Australian Government

FWPCOT3268 Plane and sand engineered wood products

Release: 1

FWPCOT3268 Plane and sand engineered wood products

Modification History

Release	Comments
Release 1	This version released with FWP Forest and Wood Products Training Package Version 4.0.

Application

This unit of competency describes the skills and knowledge required to plane and sand the surfaces of engineered wood products in a timber manufacturing facility, optimising product thickness while retaining its integrity.

The unit applies to individuals who work as timber products technicians and production workers. 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

Common Technical

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 planing and sanding engineered wood product	1.1 Review work order, workplace health and safety requirements, environmental protection practices and emergency procedures for engineered wood product dressing operation and, where required, check with 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>
	1.2 Identify and report hazards and use personal protective equipment according to workplace requirements and health and safety legislative requirements to maintain safe work practices 1.3 Obtain type and quantity of engineered wood product for planing and sanding from the production process
2. Plane and sand engineered wood product	2.1 Use equipment according to workplace health and safety procedures, manufacturer instructions and environmental protection practices 2.2 Complete pre start-up checks and set planing and sanding thickness and feed rate for optimal product recovery 2.3 Position material and feed at a rate appropriate to machine speed, capacity, engineered wood product thickness and condition 2.4 Plane and sand engineered wood product to specification and assess product visually throughout the process for thickness, finish quality and faults 2.5 Coordinate outfeed to ensure efficient recovery of planed and sanded material 2.6 Check dust extraction equipment regularly and clean to avoid blockages
3. Redistribute material	3.1 Grade finished engineered wood product for quality and use according to industry standards 3.2 Direct material to storage or processing operations according to workplace procedures 3.3 Dispose of sub-standard material according to environmental protection practices 3.4 Clean work area according to workplace health and safety procedures
4. Complete operator maintenance	4.1 Lock out equipment according to workplace health and safety procedures 4.2 Check planer blades and sanding belts for bluntness or damage 4.3 Remove and replace planer blades and sanding belts according to manufacturer recommendations 4.4 Keep machine area clear of dust and debris according to workplace health and safety procedures 4.5 Record and report production outcomes, equipment faults and

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	maintenance requirements to appropriate personnel

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
Oral communication	Ask open and closed probe questions and actively listen to clarify contents of work orders
Numeracy	- Identify quantities of required material within work orders, and count numbers of engineered wood products - Interpret order sizes and set up equipment to achieve correct dimensions and grades - Calculate the feed rate to optimise quality and quantity of production output
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
FWPCOT3268 Plane and sand engineered wood products	FWPCOT3228 Plane/sand panels	Updated industry terminology, workplace health and safety requirements and foundation skills; clarified intent of the unit and assessment	Equivalent unit

		requirements; changed unit title and code for compliance and consistency with the updates.	
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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 FWPCOT3268 Plane and sand engineered wood 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:

- followed workplace health and safety requirements and environmental procedures for planing and sanding engineered wood product
- planed and sanded engineered wood product in readiness for an application or interim storage
- redistributed material on site using designated equipment
- conducted operator maintenance on planing and sanding equipment.

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 operating equipment for planing and sanding engineered wood products, as identified through risk assessments, manufacturer technical information, regulations and industry health and safety guides
- workplace policies and procedures specific to planing and sanding engineered wood products:
 - health and safety, with particular emphasis on equipment lockout and the use of personal protective equipment (PPE)
 - use of timber planing and sanding equipment
 - communication reporting lines
 - recording and reporting production outcomes, equipment faults and maintenance requirements
- environmental protection practices for engineered wood product manufacturing facility settings:
 - reducing water and energy use
 - cleaning plant, tools and equipment

- disposing of, recycling and reusing timber and other waste
- planning and sanding techniques
- methods of visual inspection of engineered wood products for thickness, finish quality and faults
- characteristics of relevant engineered wood product
- typical flow of material supply in and out of the planing and sanding area
- typical workflow processes and sanding techniques for optimising thickness, finish and quality of engineered wood product
- typical engineered wood product defects and how they affect the ability to produce quality finished product:
 - warp
 - wane
 - cupping
 - shakes
 - insect defects
 - knots
 - resin pockets
 - lifting veneer
 - bonding problems
- key features of, and applicable terminology for, industry standard grades for re-classifying quality and use of planed and sanded engineered wood products
- purpose, features and operation of equipment used to plane and sand engineered wood products:
 - planers or thicknessers
 - surface planers or buzzers
 - drum sanders
 - sanders
 - veneer sanders
 - stroke sanders
 - machine specific dust extraction systems with collection bags
 - hopper-based extraction systems
- methods for assessing condition of planer blades and sanding belts.

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:
 - planing and sanding equipment

- dust extraction equipment
- maintenance tools and equipment for planers and sanders
- planer blades and sanding belts
- PPE suitable for planing and sanding engineered wood products
- engineered wood products suitable for planing and sanding operations
- specifications:
 - manufacturer instructions for use and maintenance of equipment
 - work order with specific instructions for planing and sanding engineered wood product
 - workplace procedures for planing and sanding engineered wood product, including health and safety and emergency procedures and environmental protection procedures
 - template documents for recording production outcomes, equipment faults and maintenance requirements.

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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