



Australian Government

FWPWPP3228 Dry Wood Flakes

Release: 1

FWPWPP3228 Dry Wood Flakes

Modification History

Release	Comment
1	Replaces superseded equivalent FPIWPP3228B Dry wood flakes, which was first released with FPI11 Forest and Forest Products Training Package Version 2.2.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 dry wood flakes for downstream use in board production and to operate dryers and other ancillary equipment.

The unit applies to production technicians and operators who dry wood flakes in a forest and wood products factory setting.

Licensing, legislative, regulatory, or certification requirements apply to this unit in some states and territories at the time of publication, and may differ according to jurisdiction.

Pre-requisite Unit

Nil

Unit Sector

Wood Panel Products.

Elements and Performance Criteria

Elements describe the essential outcomes.	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.
1. Prepare to dry wood flakes.	1.1 Review work order and check with appropriate personnel. 1.2 Identify hazards and control risk in the work environment. 1.3 Acquire type and quantity of flakes to be dried from production process, and assess. 1.4 Select equipment appropriate to work requirements and conduct pre-start checks in line with manufacturer's recommendations and site procedures.

	1.5 Plan drying process in line with site procedures. 1.6 Establish and maintain communication with relevant personnel in line with work health and safety (WHS) requirements.
2. Dry wood flakes and monitor quality.	2.1 Start dryer and hot oil system and monitor continuously in line with operational procedures. 2.2 Set drying temperature, humidity and feed rate for optimal recovery of product. 2.3 Position flakes and feed at a rate appropriate to machine speed, capacity, flakes moisture content, thickness and condition. 2.4 Visually assess flakes and measure moisture levels to ensure specified outcome has been achieved. 2.5 Coordinate out-feed to ensure efficient recovery of dried flakes. 2.6 Reject and dispose of sub-standard flakes in line with site procedures and environmental requirements.
3. Grade and redistribute wood flakes.	3.1 Grade flakes in line with site requirements and industry standards. 3.2 Move flakes to storage or processing operations in line with site requirements. 3.3 Reject and dispose of sub-standard material in line with site requirements.
4. Clean up, maintain equipment and record information.	4.1 Clean work area in line with site requirements. 4.2 Follow equipment lock-out procedures in line with site procedures. 4.3 Check drying mechanism for effective condition. 4.4 Check and maintain oil levels, air filters, conveyors and chains. 4.5 Clear dust, shavings and debris from drying area in line with workplace requirements. 4.6 Record and report drying process and equipment faults 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:	interpret gauges, dials and screens displaying numerical
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	- information (levels, capacity, speed) - estimate flakes size, quantity and thickness - use grading codes.
Reading skills to:	monitor drying process information.
Writing skills to:	- enter data - record production, quality and maintenance information.
Problem solving skills to:	identify irregularities in temperature and levels and make appropriate adjustments.

Range of Conditions

Not Applicable

Unit Mapping Information

FPIWPP3228B Dry Wood Flakes

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 FWPWPP3228 Dry Wood Flakes

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1	Replaces superseded equivalent FPIWPP3228B Dry wood flakes, 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:

- operate drying equipment and hot oil systems to dry wood flakes in line with work order and safe work procedures in readiness for storage and/or processing
- monitor and adjust equipment parameters to ensure production requirements are met
- visually assess dried wood flakes to identify faults and determine quality for grading
- grade and redistribute flakes on-site using designated equipment
- identify hazards and control risk throughout the drying wood flakes process
- perform emergency shut-down procedure in response to fire
- perform operator maintenance on drying equipment:
 - perform equipment lock-out procedure
 - check and maintain oil levels, air filters, conveyers, chains
- clean up work area and clear drying area of waste
- appropriately dispose of waste
- record production, quality and fault information using designated workplace recording systems.

Knowledge Evidence

A person competent in this unit must be able to demonstrate knowledge of:

- safe work procedures relevant to operating drying equipment and hot oil systems to dry wood flakes

- procedures for the safe disposal of waste materials according to environmental protection guidelines
- wood flakes drying techniques (using pre-dryers, dryers, cooling sections, steam, gas, heated air)
- procedures for visually assessing wood flakes to determine characteristics, faults, finish and quality
- procedures for grading and redistributing wood flakes
- established communication channels and protocols used to communicate with relevant personnel
- procedures for identifying irregularities and faults with machinery and ancillary equipment, and appropriate resolution strategies
- procedures for the operation and maintenance of drying equipment
- procedures for recording and reporting production, quality and fault information
- procedures for setting, monitoring and adjusting feed rate and moisture content
- storage systems appropriate for the storage of wood flakes:
 - storage racks
 - storage bays
 - bins, stacks
 - pallet boxes
 - modularised storage compartments
 - temporary stacking bays
- workplace specific dryers and ancillary equipment used to dry wood flakes
- waste minimisation, disposal, recycling and re-use guidelines
- emergency procedures in response to fire, accident, and serious equipment fault.

Assessment Conditions

The following resources must be made available:

- work order
- manual or computer-based recording and reporting systems for:
 - production records
 - quality records
 - maintenance records
 - tally sheets
- wood flakes
- storage area
- wood flakes transfer equipment
- drying equipment
- relevant personnel for the purposes of communicating information
- personal protective equipment required for drying wood flakes.

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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