



Australian Government

Department of Education, Employment and Workplace Relations

FPIWPP3231B Produce veneer from prepared flitches

Release: 1

FPIWPP3231B Produce veneer from prepared flitches

Modification History

Not Applicable

Unit Descriptor

Unit descriptor

This unit describes the outcomes required to operate a vertical or horizontal slicing machine to produce leaves of timber veneer from prepared flitches. The unit includes operator maintenance

General workplace legislative and regulatory requirements apply to this unit; however there are no specific licensing or certification requirements at the time of publication

This unit replaces FPIWPP3231A Produce veneer from prepared flitches

Application of the Unit

Application of the unit

The unit involves producing veneer from prepared flitches in a forest products factory setting

The skills and knowledge required for competent workplace performance are to be used within the scope of the person's job and authority

Licensing/Regulatory Information

Refer to Unit Descriptor

Pre-Requisites

Prerequisite units

Employability Skills Information

Employability skills This unit contains employability skills

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Prepare for slicing	<p>1.1. Applicable <i>Occupational Health and Safety</i> (OHS), <i>environmental</i>, <i>legislative</i> and <i>organisational requirements</i> relevant to produce veneer from prepared flitches are identified and followed</p> <p>1.2. <i>Work order</i> is reviewed and checked with <i>appropriate personnel</i></p> <p>1.3. Type and quantity of timber species to be <i>sliced</i> is acquired from the <i>storage location</i></p> <p>1.4. <i>Equipment</i> is selected appropriate to work requirements and checked for operational effectiveness in line with manufacturer's recommendations</p> <p>1.5. Veneer peeling or slicing process and thickness is planned in line with site procedures</p> <p>1.6. <i>Communication</i> with others is established and maintained in line with OHS requirements</p>
2. Slice veneer	<p>2.1. Size and condition of prepared <i>flitches</i> is checked as acceptable and flitches then loaded into the slicer</p> <p>2.2. Flitches are placed to maximise available veneer and waste product removed</p> <p>2.3. Veneer slicing process is set and commenced to optimise veneer recovery in line with site procedures</p> <p>2.4. Machine speed and control of veneer cut are constantly adjusted to suit the flitch characteristics in line with site procedures</p> <p>2.5. Material with <i>defects</i> and reject flitch and backing-boards are <i>disposed of</i> in line with site procedures and environmental requirements</p> <p>2.6. Processing and equipment faults are <i>recorded and reported</i> to the appropriate personnel</p>
3. Conduct operator maintenance	<p>3.1. Equipment lock-out procedures are followed in line with OHS legislation and site procedures</p> <p>3.2. Cutting blades are checked for blunt or damaged condition in line with site procedures</p> <p>3.3. Cutting blades are removed and replaced in line with manufacturer's recommendations</p> <p>3.4. Machine area is kept clear of dust, off-cuts and debris in line with OHS requirements</p>

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This describes the essential skills and knowledge and their level required for this unit.

Required skills

- Technical skills sufficient to use and maintain relevant tools, machinery and equipment; efficiently and safely slice veneer using a vertical or horizontal slicer
- Communication skills and interpersonal techniques sufficient to interact appropriately with colleagues and others in the workplace
- Literacy skills sufficient to accurately record and report workplace information, and maintain documentation
- Numeracy skills sufficient to estimate, measure and calculate time required to complete a task
- Problem solving skills sufficient to identify problems and equipment faults and demonstrate appropriate response procedures

Required knowledge

- Applicable Commonwealth, State or Territory legislation, regulations, standards, codes of practice and established safe practices relevant to the full range of processes for producing veneer from prepared flitches
- Environmental protection requirements, including the safe disposal of waste material and the cleaning of plant, tools and equipment
- Organisational and site standards, requirements, policies and procedures for producing veneer from prepared flitches
- Environmental risks and hazards
- Characteristics of flitches and timber defects
- Slicing processes using vertical or horizontal slicing equipment
- Cutting blade condition assessment
- Established communication channels and protocols
- Problem identification and resolution strategies and common fault finding techniques
- Types of tools and equipment and procedures for their use, operation and maintenance
- Appropriate mathematical procedures for estimating and measuring, including calculating time to complete tasks
- Procedures for recording and reporting workplace information

Evidence Guide

EVIDENCE GUIDE

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment

A person who demonstrates competency in this unit must be able to provide evidence that they can safely and efficiently produce veneer from prepared flitches within organisational requirements

Critical aspects for assessment and evidence required to demonstrate competency in this unit

The evidence required to demonstrate competency in this unit must be relevant to and satisfy all of the requirements of the elements of this unit and include demonstration of:

- following applicable Commonwealth, State or Territory legislative and regulatory requirements and codes of practice relevant to producing veneer from prepared flitches
- following organisational policies and procedures relevant to producing veneer from prepared flitches
- producing veneer from prepared flitches in line with the work order and within prescribed organisational tolerances using the slicing method
- conducting operator maintenance on a vertical or horizontal slicing machine

Context of and specific resources for assessment

- Competency is to be assessed in the workplace or realistically simulated workplace
- Assessment is to occur under standard and authorised work practices, safety requirements and environmental constraints
- Assessment of required knowledge, other than confirmatory questions, will usually be conducted in an off-site context
- Assessment is to follow relevant regulatory or Australian Standards requirements
- The following resources should be made available:
 - workplace location or simulated workplace
 - materials and equipment relevant to undertaking work applicable to this unit
 - specifications and work instructions

Method of assessment

- Assessment must satisfy the endorsed Assessment Guidelines of the FPI11 Training Package
- Assessment methods must confirm consistency and

EVIDENCE GUIDE

accuracy of performance (over time and in a range of workplace relevant contexts) together with application of required knowledge

- Assessment must be by direct observation of tasks, with questioning on required knowledge and it must also reinforce the integration of employability skills
- Assessment methods must confirm the ability to access and correctly interpret and apply the required knowledge
- Assessment may be applied under project-related conditions (real or simulated) and require evidence of process
- Assessment must confirm a reasonable inference that competency is able not only to be satisfied under the particular circumstance, but is able to be transferred to other circumstances
- Assessment may be in conjunction with assessment of other units of competency
- The assessment environment should not disadvantage the candidate
- Assessment practices should take into account any relevant language or cultural issues related to Aboriginality, gender or language backgrounds other than English
- Where the participant has a disability, reasonable adjustment may be applied during assessment
- Language and literacy demands of the assessment task should not be higher than those of the work role

Range Statement

RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. **Italicised** wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

OHS requirements: are to be in line with applicable Commonwealth, State or Territory legislation and regulations, and

RANGE STATEMENT

organisational safety policies and procedures, and may include:

- personal protective equipment and clothing
- safety equipment
- first aid equipment
- fire fighting equipment
- hazard and risk control
- fatigue management
- elimination of hazardous materials and substances
- safe forest practices including required actions relating to forest fire
- manual handling including shifting, lifting and carrying
- legislation
- organisational policies and procedures
- workplace practices

Environmental requirements
may include:

Legislative requirements:

are to be in line with applicable Commonwealth, State or Territory legislation, regulations, certification requirements and codes of practice and may include:

- award and enterprise agreements
- industrial relations
- Australian Standards
- confidentiality and privacy
- OHS
- the environment
- equal opportunity
- anti-discrimination
- relevant industry codes of practice
- duty of care

Organisational requirements
may include:

- legal
- organisational and site guidelines
- policies and procedures relating to own role and responsibility
- quality assurance
- procedural manuals
- quality and continuous improvement processes and standards
- OHS, emergency and evacuation procedures

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- ethical standards
 - recording and reporting requirements
 - equipment use and maintenance and storage requirements
 - environmental management requirements (waste minimisation and disposal, recycling and re-use guidelines)
- Veneer**
- is the thin sheet of timber (varying in thickness to suit organisational or customer specifications) used to produce the layers of plywood
 - types are usually referred to as quarter sawn, back sawn and radial (or rotary) sawn
- Work order** is to include:
- instructions for the slicing of timber veneer from prepared flitches
- and may include:
- type
 - width
 - length
 - thickness
 - quantity
 - instructions for the environmental monitoring of work and procedures
 - environmental care requirements relevant to the work
- Appropriate personnel** may include:
- supervisors
 - suppliers
 - clients
 - colleagues
 - managers
- Slicing** is the process of removing timber in leaf form from a prepared flitch using a vertical or horizontal slicing machine
- Storage locations** may include: the use of:
- storage racks
 - storage bays
 - bins
 - stacks
 - pallet boxes
 - modularised storage components

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- temporary stacking bays (stand, frame or ground)
- Equipment** is to include:
- a vertical or horizontal slicing machine
 - procedures for equipment lock-out, ie protecting operators and co-workers from accidental injury by isolating the machine from the power source
- Communication** may include:
- verbal and non-verbal language
 - constructive feedback
 - active listening
 - questioning to clarify and confirm understanding
 - use of positive, confident and cooperative language
 - use of language and concepts appropriate to individual social and cultural differences
 - control of tone of voice
 - body language
- Flitches** are logs which have been debarked and rough squared to be accommodated in a flitch slicing machine to allow the horizontal slicing of veneer, either quarter sawn or back sawn
- Defects** may include:
- warp
 - wane
 - cupping
 - shakes
 - insect defects
 - knots
 - resin pockets
- Disposing of** may include:
- recycling material with defects and rejected flitch and backing-boards
 - re-using material with defects and rejected flitch and backing-boards
- Records and reports** may include:
- product type
 - size
 - profile
 - inspection
 - storage locations
 - quality outcomes
 - hazards
 - incidents

RANGE STATEMENT

- equipment malfunctions

and may be:

- manual
- using a computer-based system or another appropriate organisational communication system

Unit Sector(s)

Unit sector No sector assigned

Co-requisite units

Co-requisite units

Competency field

Competency field Wood Panel Products