



Australian Government

Department of Education, Employment and Workplace Relations

FPIWPP2206B Prepare veneer for ply

Release: 1

FPIWPP2206B Prepare veneer for ply

Modification History

Not Applicable

Unit Descriptor

Unit descriptor

This unit describes the outcomes required to assemble the multiple layers of veneer to form plywood panel

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 FPIWPP2206A Prepare veneer for ply

Application of the Unit

Application of the unit

The unit involves preparing veneer for ply 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 assembly	1.1. Applicable Occupational Health and Safety (OHS), environmental, legislative and organisational requirements relevant to preparing veneer for ply are identified and followed 1.2. Work order is reviewed and checked with appropriate personnel 1.3. Type and quantity of material to be assembled is acquired from the veneer production process 1.4. Equipment is selected appropriate to work requirements and checked for operational effectiveness in line with manufacturer's recommendations 1.5. Production process is selected in line with site procedures 1.6. Communication with others is established and maintained in line with OHS requirements
2. Bond veneers	2.1. Pre start-up checks are carried out on equipment in line with site requirements 2.2. Spreader stations are adjusted to provide material delivery in line with required board cross-section distribution 2.3. Glue feed, spread and tack levels are regularly adjusted to apply glue to cross-grain veneer evenly in line with operating procedures 2.4. Veneer is positioned and fed to suit planned assembly with cross-grain and long grain veneer selected and assembled in the correct sequence 2.5. Veneer is placed to minimise gaps and edge mismatch 2.6. Completed assemblies are transferred for pressing in line with site requirements 2.7. Processing and equipment faults are recorded and reported to the appropriate personnel
3. Redistribute material	3.1. Assembled ply is graded in line with site requirements and industry standards 3.2. Material is directed and moved to storage or processing operations in line with site requirements 3.3. Sub-standard material is rejected and disposed of in line with site procedures and environmental requirements 3.4. Excess glue is disposed of and unused glue is stored

ELEMENT**PERFORMANCE CRITERIA**

or disposed of, in line with environmental regulations

3.5. Work area is cleaned in line with OHS requirements

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 evenly apply glue; effectively grade assembled ply
- Communication skills and interpersonal techniques sufficient to interact appropriately with colleagues and others in the workplace
- Literacy skills sufficient to accurately locate, record and report information
- Numeracy skills sufficient to estimate, measure and calculate time required to complete a task
- Problem solving skills sufficient to review and accurately identify work requirements; 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 preparing veneer for ply
- Environmental protection requirements, including the safe disposal of waste material, the safe use and storage of chemicals, and the cleaning of plant, tools and equipment
- Organisational and site standards, requirements, policies and procedures for preparing veneer for ply
- Environmental risks and hazards
- Ply production methods
- Veneer binding techniques
- Distribution processes
- Storage systems and labelling
- Established communication channels and protocols
- Problem identification and resolution strategies and common fault finding techniques

REQUIRED SKILLS AND KNOWLEDGE

- 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 prepare veneer for ply in line with 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 preparing veneer for ply
- following organisational policies and procedures relevant to preparing veneer for ply
- preparing veneer for ply in readiness for storage and/or processing
- operating glue spreading equipment to bond sheets of veneer
- redistributing material on site using designated equipment

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. Bold 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

RANGE STATEMENT

- 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)

Ply

is strong panelling, varying in thickness, consisting of two or more plies of veneer alternating in grain direction, which are glued and pressed together

Work order is to include:

- instructions for the receipt/despatch and assembling of ply from veneer to pressing and to/from the designated storage location or processing

and may include:

- type
- size
- 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

Equipment is to include:

- ply assembly tables with glue spreading stations

and may include:

- lifting equipment

Production process is to include:

- the glue mix used to bond sheets of veneer alternating in grain direction (to provide strength and rigidity) to form varying thickness sheets of plywood with a varying number of layers of veneer, before pressing
- use of a higher grade veneer on outer surfaces

Communication may include:

- verbal and non-verbal language

RANGE STATEMENT

- 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

Pre start-up checks

are conducted to ensure:

- machine has been set-up correctly
- systems are performing accurately
- machinery is operating to optimum performance

Spreader stations

are the booms which pour and spread the glue mix onto the veneer sheeting

Glue feed, spread and tack levels

- glue feed is the feed rate at which an amount of glue is transferred to the veneer sheet
- spread is the coverage of glue over the veneer sheet area
- tack level is the required degree of stickiness (governed by weather conditions) for the glue to assure a successful bond

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

Pressing

is the process of securing the bond by placing the assembled ply sheeting in a large pressing machine to remove any air pockets or other abnormalities

Records and reports may include:

- product type
- size
- inspection
- grading and labelling outcomes
- storage locations
- quality outcomes

RANGE STATEMENT

- hazards
- incidents
- equipment malfunctions

and may be:

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

Grading

is the process of visually inspecting plywood to classify its quality and use after assembly has taken effect and to ensure the bonding process has been successful

Movement of material may include:

the use of:

- conveyor belt systems
- track systems
- lifting equipment such as:
 - fork lifts
 - slings
 - trolley jacks
 - gantry cranes
 - loaders
- assistance with lifting such as:
 - the involvement of two or more personnel to lift materials manually or to guide the movement of mechanical equipment

Storage may include:

the use of:

- storage racks
- storage bays
- bins
- stacks
- pallet boxes
- modularised storage components
- temporary stacking bays (stand, frame or ground)

and may be divided into:

- standard product classification
- product designation
- size

RANGE STATEMENT

- dimension
- stack number
- weight
- grade
- shelf life
- stock rotation position

Disposing of may include:

- recycling sub-standard material
- re-using sub-standard material

Unit Sector(s)

Unit sector No sector assigned

Co-requisite units

Co-requisite units

Competency field

Competency field Wood Panel Products