



Australian Government

Department of Education, Employment and Workplace Relations

FPIWPP3206B Laminate and veneer board surfaces

Release: 1

FPIWPP3206B Laminate and veneer board surfaces

Modification History

Not Applicable

Unit Descriptor

Unit descriptor This unit describes the outcomes required to set-up, operate and shut-down equipment used to apply laminate and veneer to board surfaces

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 FPIWPP3206A Laminate or veneer board surfaces

Application of the Unit

Application of the unit The unit involves laminating and veneering board surfaces in a forest products factory.

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 application	1.1. Applicable Occupational Health and Safety (OHS), environmental, legislative and organisational requirements relevant to laminating and veneering board surfaces are identified and followed 1.2. Work order is reviewed and checked with appropriate personnel 1.3. Type and quantity of laminate or veneer and board to be adhered is acquired from the 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. Apply laminate or veneer	2.1. Pre start-up checks are carried out on equipment in line with site requirements 2.2. Veneer or laminate and board are loaded and fed to suit planned assembly in the correct sequence 2.3. Spreader stations are adjusted to provide material delivery in line with required board cross-section distribution 2.4. Glue feed, spread and tack levels are regularly adjusted to apply glue to board evenly and ensure it remains free from foreign material likely to cause contamination 2.5. Heat rolling process is regularly checked to prevent creases, bubbles or other surface defects 2.6. Laminate or veneer is routinely monitored for position, adhesion, contamination, finish and trim tolerances 2.7. Finished panels are transferred for further processing in line with site requirements 2.8. Processing and equipment faults are recorded and reported to the appropriate personnel 2.9. Sub-standard material is rejected and disposed of in line with site procedures and environmental requirements
3. Shut down and clean equipment	3.1. Shutdown procedures are coordinated with other line operators and followed in line with OHS legislation

ELEMENT**PERFORMANCE CRITERIA**

- and site procedures
- 3.2. Gluing equipment, rollers, cauls, screens and handling equipment are stripped, cleaned and replaced if necessary in line with site operating procedures
- 3.3. Cutters or blades are checked for blunt or damaged condition
- 3.4. Cutters or blades are removed and replaced in line with manufacturer's recommendations
- 3.5. Machine area is kept clear of foreign material, dust and debris 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 safely laminate and veneer board surfaces
- 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

- Basic knowledge and understanding of applicable Commonwealth, State or Territory legislation, regulations, standards and codes of practice relevant to the full range of processes to laminate and veneer board surfaces
- 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 laminating and veneering board surfaces

REQUIRED SKILLS AND KNOWLEDGE

- Environmental risks and hazards
- Laminate and veneer application processes
- Veneer, laminate and board characteristics
- Bonding methods
- Distribution processes
- 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 laminate and veneer board surfaces 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 laminating and veneering board surfaces
- following organisational policies and procedures relevant to laminating and veneering board surfaces
- effective communication and safe work practices
- laminating and veneering board surfaces in readiness for storage and/or processing
- operate glue spreading equipment to bond veneer or laminate to board
- 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

EVIDENCE GUIDE

Method of assessment

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

RANGE STATEMENT

OHS requirements:

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

Environmental requirements may include:

- legislation
- organisational policies and procedures
- workplace practices

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

RANGE STATEMENT

processes and standards

- OHS, emergency and evacuation procedures
- 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)

Laminate

is usually a thin synthetic or vinyl manufactured sheeting supplied in rolls

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 receipt/despatch and laminating or veneering of board surfaces 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

Board may include:

- medium density fibreboard
- chipboard
- fibreboard
- plywood
- other manufactured board products

RANGE STATEMENT

Equipment is to include:

- laminate and veneer bonding machines
- ancillary equipment with glue spreading stations
- heat rollers

and may include:

- accumulators for continuous operation
- lifting equipment

Production process is to include:

- the glue mix used to bond sheets of veneer or laminate to varying types of board including panel size, panel thickness, laminate or veneer type, glue application and finishing processes

and may include:

- the process of trimming laminate or veneer to a square edge or bevel

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

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 board in readiness for adhering laminate or veneer

Glue feed, spread and tack levels

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

RANGE STATEMENT

	to guarantee a successful bond
Heat rolling	are the parts which ensure a secure and flat bond of the laminate or veneer to the board, these follow the bonding process closely
Trim tolerances:	are enterprise specified overhang of laminate or veneer to be trimmed, avoiding situations where board is not adequately covered
Transferral may include:	the use of: • conveyor belt systems • track systems • lifting equipment 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
Records and reports may include:	• product type • size • inspection • grading and labelling outcomes • storage locations • quality outcomes • hazards • incidents • equipment malfunctions and may be: • manually • using a computer-based system or other appropriate organisational communication system
Disposing of may include:	• recycling sub-standard material • re-using sub-standard material

RANGE STATEMENT

Shutdown is to include:

- procedures for equipment lock-out, ie protecting operators and co-workers from accidental injury by isolating the machine from the power source cleaning and maintaining all parts

Unit Sector(s)

Unit sector No sector assigned

Co-requisite units

Co-requisite units

Competency field

Competency field Wood Panel Products