



Australian Government

Department of Education, Employment and Workplace Relations

FPIWPP3202B Paint panels

Release: 1

FPIWPP3202B Paint panels

Modification History

Not Applicable

Unit Descriptor

Unit descriptor

This unit describes the outcomes required to paint panels with water based paints using roller coating line, spray booth or curtain coating equipment for the purposes of finish coating wood panel products

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 FPIWPP3202A paint panels

Application of the Unit

Application of the unit

The unit involves painting panels 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 painting	<p>1.1. Applicable Occupational Health and Safety (OHS), environmental, legislative and organisational requirements relevant to painting panels are identified and followed</p> <p>1.2. Work order is reviewed and checked with appropriate personnel</p> <p>1.3. Type and quantity of panels to be painted is acquired from the storage location</p> <p>1.4. Equipment is selected appropriate to work requirements and checked for operational effectiveness in line with manufacturer's recommendations</p> <p>1.5. Panel painting process, feed rates and paints are selected and planned in line with site procedures</p> <p>1.6. Communication with others is established and maintained in line with OHS requirements</p>
2. Paint panels	<p>2.1. Paint products are loaded in equipment in line with manufacturer's specifications</p> <p>2.2. Paint is applied with flow rates and viscosity continually monitored and adjusted in line with site requirements</p> <p>2.3. Paint operations are continually checked with blockages and filters cleared to maintain paint coverage to specifications</p> <p>2.4. Panels are regularly checked for surface quality and contamination, and graded in line with site requirements and corrective action taken</p> <p>2.5. Sub-standard panels are removed from the painting process and reviewed for further action</p> <p>2.6. Processing and equipment faults are recorded and reported to the appropriate personnel</p> <p>2.7. Material is safely dried and stacked in a designated location in line with work order requirements</p>
3. Shut down and clean equipment	<p>3.1. Shutdown procedures are coordinated with other line operators and followed in line with OHS legislation and site procedures</p> <p>3.2. Pumps are turned off and equipment flushed in line with organisational standard operating procedures</p> <p>3.3. Excess paint and flushing liquid are disposed of in line with statutory requirements and environmental regulations</p>

ELEMENT**PERFORMANCE CRITERIA**

3.4. Equipment and paint are stored in line with statutory requirements and environmental regulations

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 paint panels
- 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 paint panels
- 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 painting panels
- Environmental risks and hazards
- Characteristics of timber panels
- Paints, their viscosity, film thickness, film wetness and feed rates
- Paint operations and shut sown procedures
- Storage systems and labelling
- 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

REQUIRED SKILLS AND KNOWLEDGE

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 paint panels 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 painting panels
- following organisational policies and procedures relevant to painting panels
- painting panels in line with the work order and within prescribed organisational requirements
- conducting spray or roller coating operations and shut-down procedures
- stacking batches of painted panels in line with organisational requirements and OHS regulations

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

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)
- Work order** is to include:
- instructions for the painting of timber panel products
- and may include:
- type
 - size
 - length
 - thickness
 - quantity
 - grade
 - 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
- Panels** may include:
- medium density fibreboard
 - chipboard
 - fibreboard
 - plywood
 - other manufactured board products
- Storage locations** may include: the use of:
- storage racks
 - storage bays
 - bins
 - stacks
 - pallet boxes
 - modularised storage components
 - temporary stacking bays (stand, frame or ground)

RANGE STATEMENT

and may be divided into:

- standard product classification
- product designation
- size
- dimension
- stack number
- weight
- grade
- shelf life
- stock rotation position

Equipment may include:

- roller coating lines
- spray booths
- curtain coating lines
- trays
- overflow trays
- thinner reservoirs
- spray guns
- roller coaters

Painting process includes:

- the application of paint to coat wood panel products for customer orders

and may include:

- application of paint coats ensuring viscosity
- film thickness
- film wetness
- rate of application to ensure surface integrity
- the rate of speed the paint is passed through the spray or roller coating equipment affecting the risk of equipment blockage
- the finish of the material
- the production output

Feed rates are to include:

- water based paints

Paints are to include:

and may include:

- oil based paints
- solvent based paints
- verbal and non-verbal language
- constructive feedback
- active listening
- questioning to clarify and confirm understanding

Communication may include:

RANGE STATEMENT

- 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

Viscosity is the amount of resistance to flow or stickiness of the paint

Paint operations • see equipment and painting process

Contamination may include:

- dust
- water spots
- oil spots from equipment or oily finger prints and may cause orange peel effect
- incomplete cover
- solvent boil
- other coating defects

Grading is the quality checking of finished products to determine surface integrity and classify products into levels of quality

Further action may include:

- re-painting sub-standard panels
- recycling sub-standard panels
- re-using sub-standard panels

Records and reports may include:

- painting method
- product type
- feed rate
- inspection
- grading and labelling outcomes
- storage locations
- quality outcomes
- hazards
- incidents
- equipment malfunctions

and may be:

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

Stacking may include:

- preparing for transport
- categorising in common size, thickness,

RANGE STATEMENT

- Shutdown** is to include:
- length, coating
 - marking lots in line with work order and site requirements
 - locating so as not to block access or passage
 - 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
 - storage of paints

Unit Sector(s)

Unit sector No sector assigned

Co-requisite units

Co-requisite units

Competency field

Competency field Wood Panel Products