



Australian Government

Department of Education, Employment and Workplace Relations

FPIWPP3220B Plan and coordinate panel painting

Release: 1

FPIWPP3220B Plan and coordinate panel painting

Modification History

Not Applicable

Unit Descriptor

Unit descriptor

This unit describes the outcomes required to plan panel painting activities and coordinate the roller coating, curtain coating and spray painting lines

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 FPIWPP3220A Plan and coordinate panel painting

Application of the Unit

Application of the unit

The unit involves planning and coordinating panel painting 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. Plan painting procedures	1.1. Applicable <i>Occupational Health and Safety</i> (OHS), <i>environmental</i> , <i>legislative</i> and <i>organisational requirements</i> relevant to planning and coordinating panel painting are identified and followed 1.2. Variations in <i>paint mixtures</i> are monitored, assessed and adjusted 1.3. <i>Painting</i> schedules are produced and applied in line with site procedures 1.4. <i>Equipment</i> procedures, settings and operation are planned and scheduled 1.5. <i>Waste minimisation</i> and control measures are planned and prescribed 1.6. <i>Communication</i> with others is established and maintained in line with OHS requirements
2. Coordinate painting activities	2.1. <i>Work orders</i> are checked and interpreted to ensure accuracy 2.2. <i>Operators</i> are directed to load and unload painting equipment 2.3. <i>Paint line</i> performance is checked and data interpreted to ensure accuracy and intended coverage 2.4. Paint application procedures and curing processes are coordinated and monitored for quality finish and completion rates 2.5. Painting operations and output are monitored to record possible process improvements and to ensure maximum cost effectiveness 2.6. Painting operations, major problems and equipment faults are investigated, <i>recorded and reported</i> in line with site requirements 2.7. Processes for disposing of excess paint that cannot be stored are followed in line with site procedures and environmental regulations 2.8. Processes for cleaning painting equipment are followed in line with site procedures and environmental regulations
3. Modify operations and assess technical developments	3.1. Modifications are made to schedules to ensure optimum performance 3.2. Painting process improvement modifications are documented and communicated in line with site procedures 3.3. Developments in painting processes and related

ELEMENT**PERFORMANCE CRITERIA**

- technology are diagnosed for possible improvements
- 3.4. *Technical developments* are analysed and assessed for potential incorporation into existing painting procedures
- 3.5. Proposed developments are authorised, trialled, documented and introduced into site operations

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 plan and coordinate panel painting
- 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 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 planning and coordinating panel painting
- 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 planning and coordinating panel painting
- Environmental risks and hazards
- Painting operation procedures
- Paint line management and operation
- Waste minimisation control measures
- Painting modification strategies
- Technical development diagnosis and solution methodologies

REQUIRED SKILLS AND KNOWLEDGE

- Established communication channels and protocols
- Principles of cultural diversity and access and equity
- 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 plan and coordinate panel painting 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 planning and coordinating panel painting
- following organisational policies and procedures relevant to planning and coordinating panel painting
- modifying painting operations for the enterprise
- coordinating personnel to follow planning, communications and scheduling for panel painting

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

EVIDENCE GUIDE

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 key competencies
- 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 organisational safety policies and procedures, and may include:

RANGE STATEMENT

- 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 processes and standards
- OHS, emergency and evacuation procedures
- ethical standards
- recording and reporting requirements
- equipment use and maintenance and storage

RANGE STATEMENT

- requirements
- environmental management requirements (waste minimisation and disposal, recycling and re-use guidelines)
- Paint mixtures** are to include:
- water based paints
- and may include:
- oil based or solvent based paints with additives to accelerate or slow drying times
- Painting** is to include:
- 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
- Equipment** may include:
- roller coating lines
 - spray booths
 - curtain coating lines
 - trays
 - overflow trays
 - thinner reservoirs
 - spray guns
 - roller coaters
- Waste minimisation** may include:
- measures to control paint and additive waste
 - other foreign matter
- Communication** may include:
- schedules
 - 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
- Work order** is to include:
- instructions for the painting of timber panel products

RANGE STATEMENT

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

Operators

are personnel who operate the roller coaters, curtain coaters or spray equipment

Paint line

is the automated, mechanised or manual systems of moving products past painting stations from the preparation area, through preparation coating, rub downs, final coating and curing

Records and reports may include:

- planning and monitoring outcomes
- data sheets
- material movement
- despatch outcomes
- storage locations
- quality outcomes
- hazards
- incidents
- equipment malfunctions

and may be:

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

Technical developments may include:

unforeseen problems related to:

- plant
- equipment
- paints
- panels

Unit Sector(s)

Unit sector No sector assigned

Co-requisite units

Co-requisite units

Competency field

Competency field Wood Panel Products