BCGPDX2002B Use painting and decorating tools and equipment

Unit Descriptor
This unit specifies the competency required to use painting and decorating tools, plant and equipment.

The unit includes the identification, selection and safe use of a range of commonly used painting and decorating tools, plant and equipment and the storage and user maintenance of these.

Unit Sector
No sector assigned

ELEMENT PERFORMANCE CRITERIA

1. Plan and prepare
   1.1 Work instructions, including plans, specifications, quality requirements and operational details are obtained, confirmed and applied
   1.2 Safety requirements are followed in accordance with safety plans and policies
   1.3 Signage/barricade requirements are identified and implemented
   1.4 Material quantity requirements are calculated in accordance with plans and/or specifications
   1.5 Materials appropriate to the work application are identified, obtained, prepared, safely handled and located ready for use
   1.6 Environmental protection requirements are identified for the project in accordance with environmental plans and regulatory obligations and applied

2. Identify hand and power tools
   2.1 Hand and power tools, their functions, operations and limitations are identified
   2.2 OH&S requirements for using hand tools are recognised and adhered to
   2.3 OH&S requirements for using power tools are recognised and adhered to

3. Select tools for project
   3.1 Tools are selected consistent with job requirements
   3.2 Tools, including leads and hoses, are checked for tags, serviceability and safety and any faults rectified or reported
   3.3 Power tools guards, retaining bolts, couplings, gauges and controls are checked and maintained in accordance with manufacturers' recommendations
   3.4 Equipment to hold or support material during operation is selected
   3.5 Pre-operational checks, including lubricants, hydraulic fluid and water, are completed in accordance with manufacturers' recommendations
4. Use tools

4.1 Power and/or compressed air supply is connected to work area

4.2 Start up and shut down procedures are followed

4.3 Tools are safely and effectively used according to manufacturers’ recommendations and OH&S requirements

4.4 Tools are safely located when not in immediate use

5. Select plant and equipment

5.1 Function and limitations of plant/equipment used in painting and decorating are identified

5.2 Plant and equipment are selected consistent with hazard minimization and needs of job

5.3 Method of operation of plant/equipment is identified

5.4 OH&S requirements for operating and using plant and equipment are recognised and adhered to

5.5 Plant and equipment are checked for safety and faults are rectified or reported

6. Use plant and equipment

6.1 Plant and equipment are safely and effectively used

6.2 Plant and equipment are safely located when not in immediate use

6.3 Plant and equipment are cleaned, maintained and stored after use

7. Clean up

7.1 Work area is cleared and materials disposed of, reused or recycled in accordance with legislation/regulations/codes of practice and job specification

7.2 Machinery, tools and equipment are cleaned, checked, maintained and stored in accordance with manufacturers’ recommendations and standard work practices
KEY COMPETENCIES

These include a number of processes that are learned throughout work and life, which are required in most jobs. Some of these are covered by the national key competencies, although others may be added. The details below highlight how these competencies are to be applied in the attainment of this unit.

Application of the key competencies in this unit are to satisfy the nominated level in which:

- Level 1 relates to working effectively within set conditions and processes;
- Level 2 relates to the management or facilitation of conditions or processes; and
- Level 3 relates to the design, development and evaluation of conditions or process.

How will the candidate apply the following key competency in this unit? The candidate will need to:

<table>
<thead>
<tr>
<th>Key Competency</th>
<th>Example of Application</th>
<th>Performance Level</th>
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<tbody>
<tr>
<td>Communicating ideas and information</td>
<td>Communicate ideas and information orally and in writing, in simple English to enable confirmation of work requirements, passage of information and requests to other workers during operations and the reporting and recording of work outcomes</td>
<td>1</td>
</tr>
<tr>
<td>Collecting analysing and organising information</td>
<td>Collect, organise, interpret and understand the information required for the use of painting and decorating tools and equipment including work instructions, plans/sketches/diagrams, safety instructions, signage, labels, quality procedures, manufacturers’ instructions, material safety data sheets and equipment instructions</td>
<td>1</td>
</tr>
<tr>
<td>Planning and organising activities</td>
<td>Conduct activities associated with the handling of painting and decorating tools and equipment to avoid backtracking and rework</td>
<td>1</td>
</tr>
<tr>
<td>Working with others and in teams</td>
<td>Work with others and in a team by recognising dependencies and using co-operative approaches to optimise satisfaction and productivity</td>
<td>1</td>
</tr>
<tr>
<td>Using mathematical ideas and techniques</td>
<td>Use mathematical ideas and techniques to correctly calculate time to complete tasks, calculate material requirements and establish quality checks</td>
<td>1</td>
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<tr>
<td>Solving problems</td>
<td>Establish safe and effective work processes which anticipate likely problems and blockages and systematically work around these to avoid or minimise reworking and avoid wastage</td>
<td>1</td>
</tr>
<tr>
<td>Using technology</td>
<td>Use workplace technology related to the handling of painting and decorating materials, including the use of plant items, calculators, the use of communication devices and the reporting/recording of results</td>
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</tbody>
</table>
RANGE STATEMENT

The Range Statement provides advice to interpret the scope and context of this unit of competency allowing for differences between enterprises and workplaces. It relates to the unit as a whole and facilitates holistic assessment. The following variables relate to this particular unit:

Unit scope

- Tools and equipment are to include scrapers, filling knives/blades, putty knives, duster brushes, hand sanders, paint stirrers, drop sheets, heat guns, wire brushes, hammers, nail punches, paint pots/buckets, brush-ware and brush-ware accessories, roller frames, covers, buckets and roller accessories
- Mechanical sanders may include random orbital, orbital, disc and belt
- Plant and equipment may include conventional spray equipment (compressor), airless spray equipment and water blasters

Safety (OH&S)

- OH&S requirements are to be in accordance with legislation/regulations/codes of practice, organisational safety policies and procedures and project safety plan. This may include protective clothing and equipment, use of tools and equipment, workplace environment and safety, handling of materials, use of fire fighting equipment, organisational first aid, hazard control and hazardous materials and substances
- Personal protective equipment is to include that prescribed under legislation/regulation/codes of practice and workplace policies and practices
- Safe operating procedures are to include but not be limited to the conduct of operational risk assessment and treatments associated with working with cutting edges, power equipment, power leads and sources, lighting, trip hazards, manual handling, working in proximity to others, noise, dust and ventilation
- Emergency procedures related to this unit are to include but may not be limited to emergency shutdown and stopping, extinguishing fires, organisational first aid requirements and evacuation

Environmental Requirements

- Environmental requirements are to include but are not limited to waste management, noise, dust, stormwater protection and clean-up management

Quality Requirements

- Quality requirements are to include but not be limited to relevant regulations including Australian Standards, internal company quality policy and standards, workplace operations and procedures and manufacturers specifications where specified
<table>
<thead>
<tr>
<th>Section</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Statutory/Regulatory Authorities</td>
<td>Statutory/regulatory authorities may include Federal, State and Local Authorities administering the applicable acts, regulations and codes of practice</td>
</tr>
<tr>
<td>Communications</td>
<td>Communications are to include but not limited to verbal and visual instructions and fault reporting and may include mobile phone, site specific instructions, written instructions, plans or instructions related to job/task, two way radio and hand signals. On site meeting processes may include notification/scheduling (time, place, purpose), task discussions and local coordination of procedural and operational issues</td>
</tr>
<tr>
<td>Information</td>
<td>Information sources may include but not be limited to verbal or written and graphical instructions, signage, work schedules/plans/specifications, work bulletins, memos, material safety data sheets (MSDS), diagrams or sketches. Safe work procedures related to the use of painting and decorating tools and equipment. Regulatory/legislative requirements pertaining to painting and decorating tools and equipment. Manufacturers' specifications and instructions where specified. Organisation work specifications and requirements. Instructions issued by authorised organisational or external personnel. Relevant Australian Standards</td>
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EVIDENCE GUIDE

The Evidence Guide identifies the critical aspects, knowledge and skills to be demonstrated to confirm competency for this unit. This is an integral part of the assessment of competency and should be read in conjunction with the Performance Criteria, the Range Statement, and the Assessment Guidelines of the Training Package.

Critical aspects of evidence required to demonstrate competency in this unit

- Location, interpretation and application of relevant information, standards and specifications
- Compliance with site safety plan and OH&S legislation/regulations/codes of practice applicable to workplace operations
- Compliance with organisational policies and procedures including quality requirements
- Communication and working effectively and safely with others
- The use and maintenance of the mandatory tools listed in the Range Statement
- The use and maintenance of at least two of the mechanical sanding equipment types listed in the Range Statement
- The use and operator maintenance of conventional and airless spray equipment

Relationship to other units

- Pre-requisite units are:
  
  **BCGCM1001B Follow OH&S policies and procedures**

  Competency in this unit may be assessed in conjunction with other functional units which together form part of the holistic work role

Specific knowledge required to achieve the performance criteria

- A knowledge of
  - Workplace and equipment safety requirements
  - Quality requirements
  - Painting and decorating industry terminology
  - Types, characteristics, uses and limitations of painting and decorating hand tools
  - Types, characteristics, uses and limitations of painting and decorating power tools
  - Types, characteristics, uses and limitations of painting and decorating plant items
  - Processes for the calculation of material requirements
  - Material Safety Data Sheets
  - Plans, drawings and specifications
  - Materials handling, storage and environmentally friendly waste management
  - JSA's/Safe work method statement
The context of assessment

- The application of competency is to be assessed in the workplace or realistically simulated construction site.
- Assessment is to occur using standard and authorised work practices, safety requirements and environmental constraints.
- Assessment of essential underpinning knowledge, other than confirmatory questions, will usually be conducted in an off-site context.
- Assessment is to comply with relevant regulatory requirements including specified Australian Standards.

Methods of assessment

- Assessment must satisfy the endorsed assessment guidelines of the Building and Construction industry’s General Construction Training Package.
- Assessment methods must confirm consistency and accuracy of performance together with application of underpinning knowledge.
- Assessment must be by direct observation of tasks, with questioning on underpinning 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 essential underpinning 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, including those listed above.

Specific resource requirements for this unit

- The following resources should be made available:
  - workplace location or simulated workplace
  - painting and decorating hand and power tools, plant and equipment
  - realistic activities covering the mandatory task requirements
  - specifications and work instructions.