Apply decorative paint finishes

This unit specifies the competency required to apply decorative paint finishes to a range of different material surfaces.

The unit includes the planning and preparation for the work, the preparation of the application area, the application of mirror paint finishes, broken colour effects, imitation marble effects, imitation wood grain effects, the application of stencils and lines by brush and the completion of clean-up activities.

No sector assigned

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 Tools and equipment are selected to carry out tasks are consistent with the requirements of the job, checked for serviceability and any faults are rectified or reported prior to commencement
   1.5 Material quantity requirements are calculated in accordance with plans and/or specifications
   1.6 Materials appropriate to the work application are identified, obtained, prepared, safely handled and located ready for use
   1.7 Environmental protection requirements are identified for the project in accordance with environmental plans and regulatory obligations and applied

2. Prepare application area
   2.1 Area is set up for application processes to suit surfaces to be painted
   2.2 Adjoining surfaces to application area are protected by masking off or covering prior to application of decorative paint finishing materials
   2.3 Ventilation is provided in application area to maintain safety of self and others
   2.4 Measures are taken to ensure application area is dust free

3. Apply mirror paint finish
   3.1 Paint viscosity is adjusted to suit climatic conditions and method of application in accordance with manufacturers' specifications and/or job specifications
   3.2 Prime and intermediate coats are applied to specifications, allowed to dry thoroughly and sanded to a smooth, even finish
   3.3 Final coat is applied without imperfections, flowing out to an even, smooth finish in accordance with manufacturers' specifications and/or job specifications
4. Apply broken colour effects

4.1 Ground coat to specified colour and consistency is applied evenly to prepared surface

4.2 Scumble glaze is applied to prepared ground and desired broken colour effect is produced to match sample in accordance with manufacturers' specifications and/or job specifications

4.3 Clear coating is applied to achieve an even finish to specified sheen level in accordance with manufacturers' specifications and/or job specifications

5. Produce imitation marble effects

5.1 Ground coat to specified colour and consistency is applied evenly to prepared surface

5.2 Marbling medium is mixed to designed proportions and colour and correctly applied to produce veins and markings as per sample in accordance with manufacturers' specifications and/or job specifications

5.3 Clear coating is applied to achieve an even finish to specified sheen level in accordance with manufacturers' specifications and/or job specifications

6. Produce imitation wood grain effects

6.1 Ground coat to specified colour and consistency is applied evenly to prepared surface

6.2 Wood graining medium is mixed to designed proportions and colour and correctly applied to produce grain markings as per sample and in accordance with manufacturers' specifications and/or job specifications

6.3 Specific highlights are added to match sample of decorative paint finishing materials in accordance with manufacturers' specifications and/or job specifications

6.4 Clear coating is applied to achieve an even finish to specified sheen level in accordance with manufacturers' specifications and/or job specifications

7. Apply stencils

7.1 Stencil design is selected and laid out onto recommended material

7.2 Specified transfer method is used and design cut accurately for multiple colours using a ‘register’ mark

7.3 Initial stencil is placed and taped to designed location and paint is applied to produce first colour to specifications

7.4 Subsequent stencils are located accurately to pattern with each separate colour applied to specifications to produce designed finish in accordance with manufacturers' specifications and/or job specifications

8. Apply lining by brush

8.1 Lining work is selected and set out to designed effect on prepared surface to specifications

8.2 Paint materials, applicators and brush ware are identified and selected in accordance with suitability of use for lining application and job specifications

8.3 Specified application techniques are applied to produce designed lining work effects and finish in accordance with manufacturers' specifications and/or job specifications
9. Clean up and store equipment

9.1 Special effect painting equipment and spray painting equipment are dismantled, cleaned, maintained and stored

9.2 Waste and unwanted materials are removed and placed into job waste bins or rubbish stockpile in a safe and effective manner in accordance with sound work practices compliant with environmental protection requirements

9.3 Unused materials are sealed and stored/stacked in accordance with standard material handling practices and techniques and company requirements

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

9.5 Tools and equipment are cleaned, checked, maintained and stored in accordance with manufacturers’ specifications and/or 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>
</tr>
</thead>
<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 application of decorative finishes, 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 application of decorative finishes, including the coordination and use of equipment, materials and tools to avoid backtracking and rework</td>
<td>2</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, estimate measurements, distances and levels, calculate material requirements and establish quality checks</td>
<td>1</td>
</tr>
<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 application of decorative finishes, including the use of calculators, the use of communication devices and the reporting/recording of results</td>
<td>1</td>
</tr>
</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

- Decorative paint finishes are to include mirror finish, broken colour effects, imitation marble/wood grain effects, stencilling and lines and may include gilding and luminescent finishes
- Mirror finishing is to be applied by brush and brush/roller and may be applied by spray and flood coating
- Broken colour effects are to be achieved using rag rolling, sponging and stippling and may use bagging, flouncings, dragging, blending and highlighting
- Imitation marble and wood graining effects may be achieved using softeners, floggers, over-grainers, mottlers, fitches, brush-grainer, cutters, rubber combs, heart grain simulator, check roller, steel combs, veining horn, chamois, stippling brushes, pencils, crayons, feathers and sponges
- Stencilling is to include the use of drawing/tracing materials, cutting knives/scalpels, cutting boards, stencil materials and stencil brushes

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 solvents, lead, chemicals, fumes/gases, confined work areas, manual handling, falling objects, electrical and fire and/or explosion from combustible materials, traffic control, working at heights, working in proximity to others, worksite visitors and the public
- Emergency procedures related to operations are to include but may not be limited to 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

Statutory/Regulatory Authorities

- Statutory/regulatory authorities may include Federal, State and Local Authorities administering the applicable acts, regulations and codes of practice

Tools and equipment

- Tools and equipment may include but not be limited to brushes, rollers, spray equipment, Sanders, scrapers, vacuum cleaners, compressors, trestles, planks, stepladders and mobile scaffold

Materials

- Materials may include oil-based products, water-based products, clear finishes, linseed oil, fillers, stainers, scumbling mediums, terebine dryers and manufacturers' proprietary products

Communications

- 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

Information

- 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) and diagrams or sketches
- Safe work procedures related to the application of decorative paint finishes
- Regulatory/legislative requirements pertaining to the application of decorative paint finishes
- Manufacturers' specifications and instructions where specified
- Organisation work specifications and requirements
- Instructions issued by authorised organisational or external personnel
- Relevant Australian Standards
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
- Safe and effective operational use of tools and equipment
- Communication and working effectively and safely with others
- Completion, to specification, of the following decorative finishes:
  - a mirror finish to a minimum of a door or standard panel
  - a minimum of two broken colour effects on walls or standard panel size surfaces
  - a minimum of one marble graining effect on a standard panel size surface
  - a minimum of one wood graining effect on a standard panel size surface
  - the design and cutting of a multi-plate stencil and at least two applications of the stencil
  - the use of lining within a decorative finish

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 terminology
  - Decorative painted finishes technology
  - Compatibility of surface coatings to substrates
  - Colour fleck materials and application techniques
  - Imitation marble materials and application techniques
  - Imitation wood grain materials and application techniques
  - Gilding materials and application techniques
  - Stencilling materials and application techniques
  - 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
  - materials relevant to the application of decorative finishes
  - hand and power tools and equipment appropriate to the application of decorative finishes
  - realistic activities covering the mandatory task requirements
  - specifications and work instructions