



**Australian Government**

**Department of Education, Employment and Workplace Relations**

# **CPCCPD3034A Apply advanced decorative paint finishes**

**Release: 1**

## CPCCPD3034A Apply advanced decorative paint finishes

### Modification History

Not Applicable

### Unit Descriptor

#### Unit descriptor

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

The unit includes planning and preparation for the work, preparation of the application area, application of imitation marble effects and imitation wood grain effects, application of stencils and completion of clean-up activities.

### Application of the Unit

#### Application of the unit

This unit of competency supports the attainment of the understanding and skills to apply advanced decorative paint finishes, which may include working with others and as a member of a team.

### Licensing/Regulatory Information

Not Applicable

### Pre-Requisites

#### Prerequisite units

CPCCOHS2001A

Apply OHS requirements, policies and procedures in the construction industry

## Employability Skills Information

**Employability skills**      This unit contains employability skills.

## Elements and Performance Criteria Pre-Content

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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 and prepare.	<p>1.1. Work instructions, including plans, specifications, quality requirements and operational details are obtained from relevant <b>information</b>, confirmed and applied for <b>planning and preparation</b> purposes.</p> <p>1.2. <b>Safety (OHS)</b> requirements are followed in accordance with safety plans and policies.</p> <p>1.3. Signage and barricade requirements are identified and implemented.</p> <p>1.4. <b>Tools and equipment</b> 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.</p> <p>1.5. <b>Materials</b> quantity requirements are calculated in accordance with plans, specifications and <b>quality requirements</b>.</p> <p>1.6. Materials appropriate to the work application are identified, obtained, prepared, safely handled and located ready for use.</p> <p>1.7. <b>Environmental requirements</b> are identified for the project in accordance with environmental plans and regulatory obligations and applied.</p>
2. Prepare application area.	<p>2.1. Area is set up for application processes to suit surfaces to be painted.</p> <p>2.2. Adjoining surfaces to application area are protected by masking off or covering prior to application of decorative paint finishing materials.</p> <p>2.3. Ventilation is provided in application area to maintain safety of self and others.</p> <p>2.4. Measures are taken to ensure application area is dust free.</p>
3. Produce imitation marble effects.	<p>3.1. Ground coat of specified colour and consistency is applied evenly to prepared surface for both traditional and modern <b>imitation granite and lapis effects</b>.</p> <p>3.2. Marbling medium is mixed to designed proportions and colour and correctly applied to produce veins and markings as per sample in accordance with manufacturer specifications and job specifications.</p> <p>3.3. Clear coating is applied to achieve an even finish to specified sheen level in accordance with manufacturer specifications and job specifications.</p>

ELEMENT	PERFORMANCE CRITERIA
4. Produce imitation wood grain effects.	<p>4.1. Ground coat of specified colour and consistency is applied evenly to prepared surface for traditional <b><i>complex imitation wood grain effects including inlays.</i></b></p> <p>4.2. Wood graining medium is mixed to designed proportions and colour and correctly applied to produce grain markings as per sample and in accordance with manufacturer specifications and job specifications.</p> <p>4.3. Specific highlights are added to match sample of decorative paint finishing materials in accordance with manufacturer specifications and job specifications.</p> <p>4.4. Clear coating is applied to achieve an even finish to specified sheen level in accordance with manufacturer specifications and job specifications.</p>
5. Apply advanced stencils.	<p>5.1. <b><i>Stencil</i></b> design is selected and laid out onto recommended material.</p> <p>5.2. Specified multi-layering transfer method is used and design is cut accurately for multiple colours using a 'register' mark.</p> <p>5.3. Initial stencil is placed and taped to designed location and paint is applied to produce first colour to specifications.</p> <p>5.4. Subsequent stencils and overlays are located accurately to pattern with each separate colour applied to specifications to produce designed finish in accordance with manufacturer specifications and job specifications.</p>
6. Apply advanced lining and special finishes and techniques.	<p>6.1. Complex pattern lining and textures, including Gris Lais are applied to appropriate surfaces for decorative purposes as specified</p> <p>6.2. Gold leaf and other metallic finishes such as aluminium and bronze are applied to complex surfaces for decorative purposes.</p> <p>6.3. Gilding and gilding powder in mediums are applied to selected surfaces.</p> <p>6.4. Finishing techniques are applied, including waxes and other suitable finishes.</p> <p>6.5. Trowelled decorative finishes, including Stucco Venezia are applied using a range of tools and techniques</p>
7. Create large scale	<p>7.1. Ground coat of specified colour and consistency is</p>

ELEMENT	PERFORMANCE CRITERIA
decorative projects	applied evenly to prepared surface for traditional application of large decorative effects
	7.2. Murals and trompe l'oeil projects are completed to specification.
8. Clean up and store equipment.	8.1. Special effect painting equipment and spray painting equipment are dismantled, cleaned, maintained and stored.
	8.2. 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 requirements.
	8.3. Unused materials are sealed and stored/stacked in accordance with standard material handling practices and techniques and company requirements.
	8.4. <b>Paint waste, water and solvents</b> used in cleaning painting equipment are disposed of in an environmentally sustainable manner and in accordance with relevant legislative requirements.
	8.5. Work area is cleared and materials disposed of, reused or recycled in accordance with legislation, regulations, codes of practice and job specification.
	8.6. Tools and equipment are cleaned, checked, maintained and stored in accordance with manufacturer specifications and/or standard work practices.

## Required Skills and Knowledge

### REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

#### Required skills

Required skills for this unit are:

- communication skills to:
  - determine requirements
  - enable clear and direct communication, using questioning to identify and confirm requirements, share information, listen and understand
  - follow instructions

## REQUIRED SKILLS AND KNOWLEDGE

- read and interpret:
  - documentation from a variety of sources
  - drawings and specifications
- report faults
- use language and concepts appropriate to cultural differences
- use and interpret non-verbal communication, such as hand signals
- evaluating own actions and making judgments about performance and necessary improvements
- identifying and accurately reporting to appropriate personnel any faults in tools, equipment or materials
- organisational skills, including the ability to plan and set out work
- recognising procedures, following instructions, responding to change and contributing to workplace responsibilities, such as current work site environmental and sustainability frameworks or management systems
- teamwork skills to coordinate own work with others to action tasks and relate to people from a range of cultural and ethnic backgrounds and with varying physical and mental abilities
- technological skills to:
  - use a range of mobile technology, such as two-way radio and mobile phones
  - voice and hand signals to access and understand site-specific instructions.

## Required knowledge

Required knowledge for this unit is:

- Australian Paint Approval Scheme (APAS) classifications
- compatibility of surface coatings to substrates
- decorative painted finishes technology
- gilding materials and application techniques
- imitation marble materials and application techniques
- imitation wood grain materials and application techniques
- job safety analysis (JSA) and safe work method statements
- material safety data sheets (MSDS)
- materials storage and environmentally sustainable waste management, including correct disposal of water-based, latex-based and solvent-based paints painting and decorating terminology
- plans, drawings and specifications
- processes for the calculation of material requirements
- quality requirements
- solid waste and paint sludge disposal techniques and relevant legislation, including Environmental Protection Authority (EPA) and local Council regulations
- stencilling materials and application techniques.
- types of paints, including the characteristics and uses of paint materials with

## **REQUIRED SKILLS AND KNOWLEDGE**

various volatile organic compound (VOCs) levels and alternative and natural paints



# Evidence Guide

## EVIDENCE GUIDE

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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

This unit of competency could be assessed in the workplace or a close simulation of the workplace environment, provided that simulated or project-based assessment techniques fully replicate construction workplace conditions, materials, activities, responsibilities and procedures.

### Critical aspects for assessment and evidence required to demonstrate competency in this unit

A person who demonstrates competency in this unit must be able to provide evidence of the ability to:

- locate, interpret and apply relevant information, standards and specifications
- comply with site safety plan and OHS legislation, regulations and codes of practice applicable to workplace operations
- comply with organisational policies and procedures including quality requirements
- safely and effectively operate and use tools, plant and equipment
- communicate and work effectively and safely with others
- complete to specification the following decorative finishes:
  - 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
  - design and cutting of a multi-plate stencil and at least two applications of the stencil
- dispose of all paint types in an environmentally sustainable way compliant with relevant local legislation and regulations
- clean and store painting equipment using environmentally sustainable methods and work practices including waste reticulation systems.

**Context of and specific resources** This competency is to be assessed using standard and authorised work practices, safety requirements

## EVIDENCE GUIDE

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### for assessment

and environmental constraints.

Assessment of essential underpinning knowledge will usually be conducted in an off-site context.

Assessment is to comply with relevant regulatory or Australian standards' requirements.

Resource implications for assessment include:

- an induction procedure and requirement
- realistic tasks or simulated tasks covering the mandatory task requirements
- relevant specifications and work instructions
- tools and equipment appropriate to applying safe work practices
- support materials appropriate to activity
- workplace instructions relating to safe work practices and addressing hazards and emergencies
- material safety data sheets
- research resources, including industry related systems information.

Reasonable adjustments for people with disabilities must be made to assessment processes where required. This could include access to modified equipment and other physical resources, and the provision of appropriate assessment support.

### Method of assessment

Assessment methods must:

- satisfy the endorsed Assessment Guidelines of the Construction, Plumbing and Services Training Package
- include direct observation of tasks in real or simulated work conditions, with questioning to confirm the ability to consistently identify and correctly interpret the essential underpinning knowledge required for practical application
- reinforce the integration of employability skills with workplace tasks and job roles
- confirm that competency is verified and able to be transferred to other circumstances and environments.

Validity and sufficiency of evidence requires that:

## EVIDENCE GUIDE

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- competency will need to be demonstrated over a period of time reflecting the scope of the role and the practical requirements of the workplace
- where the assessment is part of a structured learning experience the evidence collected must relate to a number of performances assessed at different points in time and separated by further learning and practice, with a decision on competency only taken at the point when the assessor has complete confidence in the person's demonstrated ability and applied knowledge
- all assessment that is part of a structured learning experience must include a combination of direct, indirect and supplementary evidence.

Assessment processes and techniques should as far as is practical take into account the language, literacy and numeracy capacity of the candidate in relation to the competency being assessed.

Supplementary evidence of competency may be obtained from relevant authenticated documentation from third parties, such as existing supervisors, team leaders or specialist training staff.

## Range Statement

### RANGE STATEMENT

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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.

***Information*** includes:

- diagrams or sketches
- instructions issued by authorised organisational or external personnel
- manufacturer specifications and instructions,

## RANGE STATEMENT

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	where specified
	<ul style="list-style-type: none"> <li>• MSDS</li> <li>• memos</li> <li>• regulatory and legislative requirements pertaining to the application of advanced decorative paint finishes</li> <li>• relevant Australian standards</li> <li>• safe work procedures relating to the application of advanced decorative paint finishes</li> <li>• signage</li> <li>• verbal, written and graphical instructions</li> <li>• work bulletins</li> <li>• work schedules, plans and specifications.</li> </ul>
<b><i>Planning and preparation</i></b> include:	<ul style="list-style-type: none"> <li>• assessment of conditions and hazards</li> <li>• determination of work requirements and safety plans and policies</li> <li>• equipment defect identification</li> <li>• work site inspection.</li> </ul>
<b><i>Safety (OHS)</i></b> is to be in accordance with state and territory legislation and regulations and project safety plan and may include:	<ul style="list-style-type: none"> <li>• emergency procedures, including extinguishing fires, organisational first aid requirements and evacuation</li> <li>• handling activities that may require the assistance of others or the use of manual or mechanical lifting devices where size, weight or other issues, such as a disability are a factor</li> <li>• hazard control</li> <li>• hazardous materials and substances</li> <li>• organisational first aid</li> <li>• PPE prescribed under legislation, regulations and workplace policies and practices</li> <li>• safe operating procedures, including the conduct of operational risk assessment and treatments associated with: <ul style="list-style-type: none"> <li>• earth leakage boxes</li> <li>• electrical and fire and/or explosion from combustible materials</li> <li>• falling objects</li> <li>• lighting</li> <li>• manual handling</li> <li>• power cables, including overhead service trays, cables and conduits</li> </ul> </li> </ul>

## RANGE STATEMENT

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- restricted access barriers
- solvents, lead, chemicals, fumes/gases
- surrounding structures
- traffic control
- trip hazards
- work access platforms
- work site visitors and the public
- working at heights
- working in confined spaces
- working in proximity to others, work site visitors and the public
- use of firefighting equipment
- use of tools and equipment
- workplace environmental requirements and safety.

***Tools and equipment*** include:

- brushes
- compressors
- planks
- rollers
- sanders
- scrapers
- spray equipment
- stepladders
- trestles
- vacuum cleaners
- mobile scaffold.

***Materials*** include:

- clear finishes
- fillers
- linseed oil
- manufacturers' proprietary products
- oil-based products
- scumbling mediums
- stainers
- terebine dryers
- water-based products.

***Quality requirements*** include:

- internal company quality policy and standards
- manufacturer specifications, where specified
- relevant regulations, including Australian standards
- workplace operations and procedures.

## RANGE STATEMENT

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***Environmental requirements***  
include:

- clean-up management
- dust and noise
- low odour and emissions
- stormwater protection
- waste management.

***Imitation granite and lapis and complex wood graining effects***  
may be achieved using:

- brush-grainer
- chamois
- check roller
- crayons
- cutters
- feathers
- fitches
- floggers
- heart grain simulator
- mottlers
- over-grainers
- pencils
- rubber combs
- softeners
- sponges
- steel combs
- stippling brushes
- veining horn.

***Stencilling*** includes the use of:

- cutting boards
- cutting knives and scalpels
- drawing and tracing materials
- stencil brushes
- stencil materials.

***Paint waste, water and solvents***  
disposal includes:

- use of manual and machine environmentally sustainable cleaning methods
- cleaning water re-cycling or professional disposal
- solid waste disposal requirements

## Unit Sector(s)

**Unit sector**

Construction

## **Functional area**

### **Functional area**