



**Australian Government**

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

# **CPCCPD3031A Implement safe lead paint and asbestos work practices in the painting industry**

Release: 1

## **CPCCPD3031A Implement safe lead paint and asbestos work practices in the painting industry**

### **Modification History**

Not Applicable

### **Unit Descriptor**

#### **Unit descriptor**

This unit of competency specifies the outcomes required to treat lead paint hazards, including removal of lead-based paints from surfaces, encapsulation and the control of associated hazards.

The unit includes planning and preparation for the work, definition and preparation of the work area, removal of contaminated material, encapsulation of contaminated material 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 treat lead paint hazards, 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.	<ul style="list-style-type: none"><li>1.1. Circumstances in which lead-based paints may be encountered are determined.</li><li>1.2. Location of lead based paint to be treated is determined from plans/specifications.</li><li>1.3. <b>Testing</b> is undertaken for presence of lead or asbestos using approved testing methods.</li><li>1.4. Work instructions and operational details are obtained using relevant <b>information</b>, confirmed and applied for <b>planning and preparation</b> purposes.</li><li>1.5. <b>Safety (OHS)</b> requirements are followed in accordance with safety plans and policies.</li><li>1.6. Signage and barricade requirements are identified and implemented.</li><li>1.7. <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.</li><li>1.8. Materials quantity requirements are calculated in accordance with plans, specifications and <b>quality requirements</b>.</li><li>1.9. <b>Materials</b> appropriate to the work application are identified, obtained, prepared, safely handled and located ready for use.</li><li>1.10. <b>Environmental requirements</b> are identified for the project in accordance with environmental plans and regulatory obligations and applied.</li></ul>
2. Define and prepare work area.	<ul style="list-style-type: none"><li>2.1. Options for the management and <b>treatment</b> of pre-existing lead-based paints in buildings are considered and determined in accordance with regulatory requirements.</li><li>2.2. A safe working area is maintained around lead-based paint locations using temporary control measures, barriers and signage.</li><li>2.3. Plant, tools and equipment are positioned to suit job requirements.</li></ul>
3. Remove contaminated materials.	<ul style="list-style-type: none"><li>3.1. Appropriate <b>removal processes</b> are determined to suit job requirements.</li><li>3.2. Contamination area is quarantined and people at risk are protected in accordance with regulatory requirements.</li><li>3.3. Furnishings, other surfaces, surrounding ground areas, drinking vessels, water storage and foodstuffs are protected and all doors and windows sealed where appropriate.</li></ul>

**ELEMENT**

**PERFORMANCE CRITERIA**

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- 3.4. *Debris and waste* management procedures are identified for lead contamination from flake, chalk and dust.
- 3.5. Removal processes are applied and contaminated materials are containerised for movement.
- 3.6. Substrates are repaired, restored and prepared for subsequent coatings.

<b>ELEMENT</b>	<b>PERFORMANCE CRITERIA</b>
4. Manage contaminated materials.	<p>4.1. Stabilisation method is determined to make the building lead safe by applying temporary control measures.</p> <p>4.2. Appropriate methods for the containment of existing surfaces are determined or confirmed in accordance with regulatory requirements.</p> <p>4.3. Over painting is conducted using oil-based paints by applying a high quality undercoat sealer and two coats of quality topcoats.</p> <p>4.4. Specialised liquid encapsulant is applied in accordance with manufacturer specifications.</p> <p>4.5. Contaminated surface is enclosed using overlaying materials such as plasterboard or weatherboard and applying warning notices of the latent lead hazard.</p>
5. Clean up.	<p>5.1. Work area is cleared and materials disposed of or recycled in accordance with legislation, regulations, codes of practice and job specification.</p> <p>5.2. Waste and unwanted materials are removed and placed into containment vessels for disposal in accordance with authorised systems and relevant standards.</p> <p>5.3. Surface and soil tests are conducted to verify that no contamination has taken place and building is safe for occupation.</p> <p>5.4. Tools and equipment are cleaned, checked, maintained and stored in accordance with manufacturer recommendations and standard work practices.</p>

## **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

## **REQUIRED SKILLS AND KNOWLEDGE**

- follow instructions
- 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:

- agents and techniques available for encapsulation, their uses and limitations
- agents available for chemical stripping treatments, their uses and limitations
- containment techniques and processes for lead-based paint flakes, dust and chalk
- health risks associated with lead and lead-based paint products
- job safety analysis (JSA) and safe work method statements
- material safety data sheets (MSDS)
- materials storage and environmentally friendly waste management
- painting and decorating terminology
- plans, drawings and specifications
- processes for the calculation of material requirements
- quality requirements
- sanding equipment and techniques
- types and specifications of lead-based paints and the manufacturer recommendations for removal
- workplace and equipment safety requirements.

## 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
- apply treatments of at least 6 square metres for a minimum of two different lead paint hazards (where the processes and outcomes are to be in line with current regulations and relevant Australian standards), including:
  - a chemical stripping treatment
  - paint systems to contain lead or asbestos.

#### Context of and specific resources for assessment

This competency is to be assessed using standard and authorised work practices, safety requirements 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



## EVIDENCE GUIDE

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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:

- 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

## EVIDENCE GUIDE

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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.

#### ***Testing:***

- includes lead test kits
- may include x-ray fluorescence equipment and laboratory testing of field samples.

#### ***Information*** includes:

- diagrams or sketches
- instructions issued by authorised organisational or external personnel
- manufacturer specifications and instructions, where specified
- MSDS
- memos
- regulatory and legislative requirements pertaining to the treatment of lead paint hazards
- relevant Australian standards

## **RANGE STATEMENT**

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- safe work procedures relating to the treatment of lead paint hazards
- signage
- verbal, written and graphical instructions
- work bulletins
- work schedules, plans and specifications.

## RANGE STATEMENT

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***Planning and preparation***  
include:

- assessment of conditions and hazards
- determination of work requirements and safety plans and policies
- equipment defect identification
- work site inspection.

***Safety (OHS)*** is to be in accordance with state and territory legislation and regulations and project safety plan and may include:

- emergency procedures, including extinguishing fires, organisational first aid requirements and evacuation
- 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
- hazard control
- hazardous materials and substances
- organisational first aid
- PPE prescribed under legislation, regulations and workplace policies and practices
- safe operating procedures, including the conduct of operational risk assessment and treatments associated with:
  - earth leakage boxes
  - electrical and fire and/or explosion from combustible materials
  - falling objects
  - lighting
  - manual handling
  - power cables, including overhead service trays, cables and conduits
  - 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

## **RANGE STATEMENT**

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- workplace environmental requirements and safety.

## RANGE STATEMENT

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***Tools and equipment:***

- include:
  - chemical strippers (caustic based, flammable and methylene chloride)
  - containment receptacles (heavy duty)
  - disposable heavy duty plastic
  - disposable personal boot covers and coveralls
  - high efficiency particulate accumulator (HEPA) filtered vacuum cleaner
  - HEPA filtered sanders
  - measuring tapes and rules
  - respirators (maintained to AS1716)
- may include:
  - heat guns
  - masking tape
  - shovels
  - wet mops
  - wheelbarrows.

***Quality requirements*** include:

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

***Materials*** include:

- solvents
- approved cleaning materials.

***Environmental requirements*** include:

- clean-up management
- dust and noise
- lead contamination
- stormwater protection
- waste management.

***Treatment*** includes:

- encapsulation
- stripping and removal.

***Removal processes*** include:

- chemical stripping
- heat gun
- sanders
- scraper
- use of HEPA vacuum
- wet sanding
- wet scraping.

## **RANGE STATEMENT**

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- Debris and waste* include:
- cardboard
  - empty containers
  - other receptacles
  - paint chalk
  - paint dust
  - paint flakes
  - paper
  - plastic sheeting
  - protective clothing
  - soil contaminants
  - waste materials.

## **Unit Sector(s)**

**Unit sector**                      Construction

## **Functional area**

**Functional area**