



Australian Government

Department of Education, Employment and Workplace Relations

CPCCSP3004A Restore and renovate solid plasterwork

Release: 1

CPCCS3004A Restore and renovate solid plasterwork

Modification History

Not Applicable

Unit Descriptor

Unit descriptor

This unit of competency specifies the outcomes required to repair damage in lime mortar cement render and solid plastered surfaces.

It includes planning and preparation for the work, selection of the repair processes and techniques, restoration of plasterwork, renovation of lettering and completion of post work clean-up activities.

Application of the Unit

Application of the unit

This unit supports the attainment of skills and knowledge to repair and restore cement rendered and solid plastered construction surfaces, which includes 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

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.	1.1. Work instructions, including plans, specifications, quality requirements and operational details are obtained from relevant information, confirmed and applied to the scope of work performed. 1.2. Safety (OHS) requirements are followed in accordance with safety plans and policies. 1.3. Signage and barricade requirements are identified and implemented. 1.4. Tools and equipment 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. Run off devices are installed and maintenance processes applied if appropriate to the task. 1.6. Environmental requirements are identified for the project in accordance with environmental plans and statutory and legislative authority obligations and applied.
2. Select restoration or renovation method.	2.1. Extent and type of restoration or renovation required are identified by site examination and from plans and specifications. 2.2. Drawing and template of damaged area are prepared to profile/moulding shape of existing work.
3. Restore plasterwork.	3.1. Materials are mixed and prepared for use according to quality requirements. 3.2. Damaged plasterwork is restored to original condition or specifications in accordance with plans and specifications. 3.3. Damaged cement or plaster mould work is restored to original condition in accordance with plans and specifications. 3.4. Textured finishes are applied to match original surfaces, details and alignment.
4. Renovate lettering and monograms.	4.1. Surface for renovation is prepared to architect's specifications. 4.2. Monograms and lettering panels are constructed in sand and cement mortar to match detail for restorations. 4.3. Materials are applied to fine finish, with sharp arises, square returns and plumb/level according to requirements or job drawings.
5. Clean up.	5.1. Work area is cleared and materials disposed of, reused or recycled in accordance with legislation, regulations, codes of practice and job specification. 5.2. Tools and equipment are cleaned, checked, maintained and stored in accordance with manufacturer recommendations and

ELEMENT**PERFORMANCE CRITERIA**

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
 - 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
- 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
- teamwork skills to 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:

- job safety analysis (JSA) and safe work method statements
- material safety data sheets (MSDS)
- materials storage and environmentally friendly waste management
- plans, drawings and specifications
- plastering tools and equipment types, characteristics, uses and limitations
- processes for the calculation of material requirements

REQUIRED SKILLS AND KNOWLEDGE

- quality requirements
- solid plastering terminology
- solid plastering, restoration and renovation techniques
- systems and techniques for safe handling of materials
- types, characteristics, uses and limitations of solid plastering materials and components
- workplace and equipment safety requirements.

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

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 of 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 use tools and equipment
- communicate and work effectively and safely with others
- restore solid plasterwork to specification on a minimum of three tasks, including:
 - one curved surface
 - one ceiling
 - one archway or column
- renovate lettering to specification where the task requires the preparation and use of significant moulds.

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.

EVIDENCE GUIDE

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:

- 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

EVIDENCE GUIDE

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

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.

1.1. **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 restoration and renovation of solid plasterwork
- relevant Australian standards

RANGE STATEMENT

1.2. *Scope of work:*

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

1.4. *Tools and equipment:*

- safe work procedures relating to the restoration and renovation of solid plasterwork
- signage
- verbal, written and graphical instructions
- work bulletins
- work schedules, plans and specifications.
- restoration may be to lime mortar or cement render surface and includes straight or curved walls, straight or curved ceilings, chimneys and archways
- renovation includes lettering and monograms.
- 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, including cement and curing agents
- 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:
 - lighting
 - power equipment
 - power leads and sources
 - trip hazards
 - work site visitors and the public
 - working in confined spaces
 - working in proximity to others
- use of firefighting equipment
- use of tools and equipment
- workplace environmental requirements and safety.
- include:
 - brushes
 - buckets

RANGE STATEMENT

- floats
- grinders
- hammers
- hawks
- joint rules
- mason's squares
- measuring tapes and rules
- mortar boards and stands
- plumb bobs
- power leads
- screed boards
- shovels
- sieves
- small tools
- spirit levels
- squares
- straight edges
- tin snips
- trowels
- wheelbarrows
- may include:
 - concrete mixers
 - metal files
 - scaffolding
 - wood saws.

1.5. *Environmental requirements* include:

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

1.6. *Statutory and regulatory authorities* include:

- federal, state and local authorities administering the applicable Acts, regulations and codes of practice.

1.7. *Materials* include:

- casing beads
- corner beads
- finish coats
- lime
- lime putty
- plaster compounds
- render and setting coats mix composition,

RANGE STATEMENT

- 1.8. **Quality requirements**
include relevant
regulations, including:
- including additives such as plasticisers, colour and waterproofing agents
 - sand.
 - Australian standards
 - internal company quality policy and standards
 - manufacturer specifications
 - workplace operations and procedures.

Unit Sector(s)

Unit sector Construction

Co-requisite units

Co-requisite units Nil

Functional area

Functional area