



Australian Government

Department of Education, Employment and Workplace Relations

CPCCSP3002A Apply set coats

Release: 1

CPCCS3002A Apply set coats

Modification History

Not Applicable

Unit Descriptor

Unit descriptor

This unit of competency specifies the outcomes required to mix and apply plaster setting to flat and curved solid plaster backgrounds.

It includes planning and preparation for the work, preparation of the backgrounds, mixing of the setting, application and finishing of the set, and completion of clean-up activities.

Application of the Unit

Application of the unit This unit supports the attainment of skills and knowledge to apply plaster to flat and curved 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
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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.	<p>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.</p> <p>1.2. Safety (OHS) 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. 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.</p> <p>1.5. Materials quantity requirements are calculated in accordance with plans, specifications and quality requirements.</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. Environmental requirements are identified for the project in accordance with environmental plans and statutory and legislative authority obligations and applied.</p>
2. Prepare backgrounds for set coat application.	<p>2.1. Background surface is identified and surface preparation process is selected in accordance with requirements of the setting coat to be applied.</p> <p>2.2. Surface is cleaned in preparation for application.</p> <p>2.3. Surface is wet down to provide an even suction appropriate to the setting rate for the setting coat being applied.</p> <p>2.4. Surface is checked for appropriate level of suction appropriate to the setting rate of the setting coat being applied.</p>
3. Mix plaster and lime setting.	<p>3.1. Mix ratios of plaster and lime are selected for appropriate backgrounds, or to architect's specifications.</p> <p>3.2. Products are mixed to standard requirements and manufacturer specifications.</p>
4. Apply plaster and lime set coat.	<p>4.1. Application of set coats are in accordance with relevant standards and architect's requirements.</p> <p>4.2. Surface is trowelled until a hard, smooth finish is achieved to specified tolerances or levels of finish.</p>
5. Clean up.	<p>5.1. Work area is cleared and materials disposed of, reused or recycled in accordance with legislation, regulations, codes of practice and job specification.</p> <p>5.2. 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
 - 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
- numeracy skills to apply measurements and calculations
- 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
- quality requirements
- set coat mixing and application techniques
- solid plastering terminology

REQUIRED SKILLS AND KNOWLEDGE

- 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
- apply set coats to specification on a minimum of three surfaces, which include:
 - one vertical
 - one horizontal
 - one curved.

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

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

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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

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, where specified
- MSDS
- memos
- regulatory and legislative requirements pertaining to the application of set coats
- relevant Australian standards
- safe work procedures relating to the application of set coats
- signage

RANGE STATEMENT

Scope of work:

- verbal, written and graphical instructions
- work bulletins
- work schedules, plans and specifications.
- application of set coats covers horizontal, vertical, and flat and curved surfaces, including walls, heads, arises, soffits, reveals and radiused angles
- set mix is to be in accordance with relevant Australian standard
- setting coats may incorporate synthetic proprietary products
- background surfaces include cement, sand plastered walls; cement, lime, sand plastered walls; sand, plaster and lime walls; and smooth concrete surfaces
- cleaning of background surfaces includes wire brushing, grinding, washing down, scraping, wetting, chipping and blast cleaning.
- 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

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

RANGE STATEMENT

- Tools and equipment*** include:
- use of tools and equipment
 - workplace environmental requirements and safety.
 - brushes
 - concrete mixers
 - floats
 - grinders
 - hawks
 - joint rules
 - measuring tapes and rules
 - mortar boards and stands
 - plumb bobs and mason's squares
 - scaffolding
 - screed boards
 - shovels
 - small tools
 - spirit levels
 - squares
 - straight edges
 - trowels
 - wheelbarrows.
- Materials*** include:
- casing beads
 - corner beads
 - lime
 - lime putty
 - plaster compounds and finish coats
 - render and setting coats mix composition, including additives such as plasticisers, colour and waterproofing agents
 - sand.
- Quality requirements*** include relevant regulations, including:
- Australian standards
 - internal company quality policy and standards
 - manufacturer specifications
 - workplace operations and procedures.
- Environmental requirements*** include:
- clean-up management
 - dust and noise
 - stormwater protection
 - waste management.
- Statutory and regulatory authorities*** include:
- federal, state and local authorities administering the applicable Acts, regulations

RANGE STATEMENT

and codes of practice.

Unit Sector(s)

Unit sector Construction

Co-requisite units

Co-requisite units Nil

Functional area

Functional area