



Australian Government

Department of Education, Employment and Workplace Relations

CPCCRT2001A Handle roof tiling materials

Release: 1

CPCCRT2001A Handle roof tiling materials

Modification History

Not Applicable

Unit Descriptor

Unit descriptor

This unit of competency specifies the outcomes required to handle, store and apply environmental principles to roof tiling products.

It includes the preparation, handling, sorting, stacking, distribution and disposal of tiling products, materials and components in the application of the tiles to the roof.

Application of the Unit

Application of the unit

This unit supports the attainment of skills and knowledge to safely and effectively handle, distribute and store roof tiling materials, 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 for 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. Plant, tools and equipment selected to carry out tasks that are consistent with the requirements of the job, checked for serviceability and any faults are rectified or reported prior to commencement. 1.5. Environmental requirements are identified for the project in accordance with environmental plans and statutory and legislative authority obligations and applied.
2. Receive, sort and distribute roof tiling materials.	2.1. Roof tiling products, materials and components are identified and checked for conformity to material schedule, plans, quality requirements and specifications on delivery to site. 2.2. Handling characteristics of roof tiling material and components are identified and safe and effective handling techniques are applied in accordance with safe work method statements and workplace procedures. 2.3. Fall safety devices are installed to roof perimeter and handled in accordance with regulatory and workplace requirements. 2.4. Elevator is handled, assembled and erected at job location to manufacturer specifications and workplace requirements. 2.5. Roof surface sarking and batten materials are handled and loaded onto roof and positioned ready for installation in accordance with specified tile and job specifications. 2.6. Roof tiling material and components are sorted to suit material type and size, and stacked for ease of identification and retrieval for task sequence. 2.7. Roof tiling material and components are transferred, loaded onto roof, supported and evenly distributed.
3. Handle and remove	3.1. Materials are handled safely and effectively

ELEMENT	PERFORMANCE CRITERIA
surplus material from roof.	according to material safety data sheets (MSDS) and regulatory authorities' requirements. 3.2. Hazardous material is identified for separate handling by authorised personnel. 3.3. Surplus roof tiling material and components are loaded and transferred from roof to ground. 3.4. Materials are stored safely and effectively according to MSDS and requirements of regulatory authorities. 3.5. Roof, guttering and downpipes are cleared free of waste and surplus material.
4. Clean up	4.1. Work area is cleared and materials disposed of, reused or recycled in accordance with legislation, regulations, codes of practice and job specification. 4.2. Plant, tools and equipment are cleaned, checked, maintained and stored in accordance with manufacturer recommendations and 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
 - read and interpret:
 - documentation from a variety of sources
 - drawings and specifications
 - 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

REQUIRED SKILLS AND KNOWLEDGE

- 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:

- characteristics and applications of roof tiling materials
- general construction terminology
- job safety analysis (JSA) and safe work method statements
- materials storage and environmentally friendly waste management
- MSDS
- plans, drawings and specifications
- plant, tools and equipment types, characteristics, uses and limitations
- quality requirements
- roof construction systems and structures and tiling considerations
- roof tiling materials handling and disposal techniques and procedures
- 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

EVIDENCE GUIDE

Context of and specific resources for assessment

applicable to workplace operations

- comply with organisational policies and procedures, including quality requirements
- safely and effectively use tools, plant and equipment
- communicate and work effectively and safely with others
- as a minimum, transfer sufficient materials to sark, batten and tile 45 square metres of roof from ground level to the roof working area, greater than 1.8m high; relocate the above materials from the work area to ground level, position a bucket and dispose of waste material from a typical tiling task, ensuring:
 - correct identification of requirement and sorting and distributing roof tiling material
 - correct selection and use of appropriate processes, tools and equipment
 - completing all work to specification.

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 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

EVIDENCE GUIDE

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 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

EVIDENCE GUIDE

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 handling roof tiling materials
 - relevant Australian standards
 - safe work procedures relating to handling roof tiling materials
 - signage
 - verbal, written and graphical instructions
 - work bulletins
 - work schedules, plans and specifications.
- Scope of work:**
- includes receiving, handling, sorting and loading roof tiling products in support of a tiling job; and removing surplus materials from the roof and disposing of waste materials
 - waste materials include banding straps, packing pieces, broken or damaged goods; and cardboard, plastic, paper and surplus material
 - specifications include tile colour, tile profile, type of bond, nailing sequence and wind

RANGE STATEMENT

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

- category
 - tiles may be interlocking (terracotta) or non-interlocking (concrete) and conform to the requirements of relevant Australian Standards
 - pointing material may be flexible pointing material or its equivalent.
 - 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:
 - earth leakage boxes
 - lighting
 - power cables, including overhead service trays, cables and conduits
 - restricted access barriers
 - surrounding structures
 - traffic control
 - trip hazards
 - working at heights
 - work site visitors and the public
 - working in proximity to others
 - use of firefighting equipment
 - use of tools and equipment
 - workplace environmental requirements and safety.
- include:
 - air compressors and hoses
 - bedding frames
 - blowers

Tools and equipment:

RANGE STATEMENT

- brooms
- buckets
- calculators
- chalk lines
- chisels
- chutes
- concrete mixers
- elevators
- eyelets
- gutter protectors
- hammers
- hand saws
- hoppers high pressure
- ladders
- measuring tapes and rules
- nail bags
- nail guns
- pincers
- power drills
- power leads
- power saws
- safety harness and static lines
- safety rails
- shovels
- signage and barricades
- squares
- string lines
- tile cutters
- trowels
- water cleaners
- may include:
 - blocks
 - breaks or cutting irons
 - elevated work platforms
 - guillotines
 - rippers
 - scaffolds
 - slate cutters

RANGE STATEMENT

	• slate reefers • slater's hammers • slating knives • small compressors • small petrol or diesel engines.
<i>Environmental requirements</i> include:	• clean-up management • dust and noise • stormwater management • vibration • waste management.
<i>Statutory and regulatory authorities</i> include:	• federal, state and local authorities administering the applicable Acts, regulations and codes of practice.
<i>Materials:</i>	• include: • adhesives • concrete and terracotta tiles • fastenings and other mechanical fixings • flashings • mortar • sarking materials • timber and metal battens • may include: • flexible pointing material • lead • shingles • slate • other hand manufactured products.
<i>Quality requirements</i> include relevant regulations, including:	• Australian standards • internal company quality policy and standards • manufacturer specifications • workplace operations and procedures.

Unit Sector(s)

Unit sector Construction

Functional area

Functional area