



Australian Government

CPCCRT3001 Tile regular roofs

Release: 2

CPCCRT3001 Tile regular roofs

Modification History

Release 2 Updated reference to general construction induction training program.

Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.

Supersedes and equivalent to CPCCRT3001A Tile regular roofs. Updated to meet the Standards for Training Packages 2012.

Application

This unit of competency specifies the skills and knowledge required to install roof tiles to a range of regular roof structure types.

A person working at this level would be expected to take responsibility for organising and completing tasks assigned to them without close supervision.

Completion of the general construction induction training program specified by the model Code of Practice for Construction Work is required for any person who is to carry out construction work. Achievement of unit *CPCWHS1001 Prepare to work safely in the construction industry* meets this requirement.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

CPCWHS2001 Apply WHS requirements, policies and procedures in the construction industry.

Unit Sector

Roof tiling

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe what needs to be done to demonstrate achievement of the element.

- | | | |
|---|-----|---|
| 1 Plan and prepare to tile regular roofs. | 1.1 | Read and interpret work instructions and plan sequence of work. |
| | 1.2 | Plan all work to comply with laws and regulations, the |

- National Construction Code (NCC), Australian Standards, work health and safety (WHS) and environmental requirements, manufacturers' specifications and workplace requirements.
- 1.3 Select and use personal protective equipment (PPE) for each stage of the task.
 - 1.4 Inspect work site, assess hazards and apply risk controls, including required signage and barricades.
 - 1.5 Select tools and equipment, check for serviceability and report any faults.
 - 1.6 Select materials required for task, calculate quantities, handle safely, and prepare and position ready for use.
- 2 Prepare roof face.
- 2.1 Check that fall safety devices have been installed correctly.
 - 2.2 Handle, assemble and erect elevator at job location.
 - 2.3 Check roof surface and structure for stability, and for safe access to roof for tile installation.
 - 2.4 Set out roof surface, and sark.
- 3 Cut and fix battens.
- 3.1 Measure and cut battens.
 - 3.2 Fix battens using fasteners at specified centres.
 - 3.3 Check completed battens for alignment and fixing.
- 4 Install tiles.
- 4.1 Load, support and evenly distribute tiles on roof.
 - 4.2 Spread out, secure and install roof tiles.
 - 4.3 Bed roof tiles using specified bedding mix and maintaining alignment.
 - 4.4 Point roof tiles to a flush, smooth finish to job specifications.

- | | | | |
|---|-----------|-----|--|
| 5 | Clean up. | 5.1 | Clear roof, guttering and downpipes of waste and surplus material. |
| | | 5.2 | Clear work area, dispose of materials, and reuse or recycle in compliance with legislation, regulations and codes of practice. |
| | | 5.3 | Clean, check, maintain and store tools and equipment in accordance with manufacturers' specifications. |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and equivalent to CPCCRT3001A Tile regular roofs.

Links

Companion volumes to this training package are available at the VETNet website - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>

Assessment Requirements for CPCCR3001 Tile regular roofs

Modification History

- Release 2 Updated reference to general construction induction training program.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
- Supersedes and equivalent to CPCCR3001A Tile regular roofs. Updated to meet the Standards for Training Packages 2012.

Performance Evidence

To demonstrate competency, a candidate must satisfy all of the elements, performance criteria and foundation skills of this unit by tiling roof construction systems and structures, including:

- gable
- hip
- hip and valley
- skillion
- Dutch gable valley
- Dutch gable hip
- gusset valley
- broken hip (dog leg)
- butt ridging
- dog leg valley.

These roof construction systems and structures must include those with:

- metal battens and metal frame
- metal battens and timber frame
- timber battens and metal frame
- timber battens and timber frame.

All work must be performed to the standard required in the workplace and must comply with laws and regulations, the National Construction Code (NCC), Australian Standards, work health and safety (WHS) and environmental requirements, manufacturers' specifications and workplace requirements.

Knowledge Evidence

To be competent in this unit, a candidate must demonstrate knowledge of:

- compliance requirements of the NCC and Australian Standards for tiling regular roofs
- workplace quality policies and standards for tiling regular roofs

- safety requirements for tiling regular roofs, including:
 - • job safety analyses and/or safe work method statements in accordance with Safe Work Australia *Code of Practice for Construction Work* or state and/or territory equivalent
 - safety data sheets (SDS)
 - personal protective equipment (PPE)
- environmental requirements for tiling regular roofs
- characteristics and applications of roof tiling materials:
 - adhesives
 - concrete and terracotta tiles
 - fastenings and other mechanical fixings
 - flashings
 - bedding
 - sarking
 - timber and/or metal battens
 - flexible pointing material
- types and uses of materials storage and environmentally friendly waste management
- measuring and marking for tiling regular roofs
- types and uses of plans, drawings and specifications for tiling regular roofs
- types and uses of tools and equipment for tiling regular roofs
- processes for the calculation of materials requirements for tiling regular roofs
- types and uses of roof construction systems and structures and tiling considerations for regular roofs:
 - gable
 - hip
 - hip and valley
 - pitched roofs $\leq 27^\circ$
 - skillion
 - Dutch gable
 - Dutch gable hip
 - downpipe spreaders
 - long rafter sarking
 - Dutch gable valley
 - gusset valley
 - broken hip (dog leg)
 - butt ridging
 - dog leg valley
- roof tiling techniques and processes
- common defects and solutions in roof tiling.

Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations.

This unit must be assessed in the workplace or a close simulation using realistic workplace conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

Links

Companion volumes to this training package are available at the VETNet website -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>