



Australian Government

CPCCRT3004 Repair and renovate tile roofs

Release: 2

CPCCRT3004 Repair and renovate tile 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 CPCCRT3004B Repair and renovate tile roofs.
Updated to meet the Standards for Training Packages 2012.

Application

This unit of competency specifies the skills and knowledge required to repair and renovate roof tiles on different roof structures.

It includes preparation, and replacement and fixing of tiles to the roof.

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.

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| 1 Plan and prepare to repair and renovate | 1.1 Read and interpret work instructions and plan sequence of work. |
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- roofs.
- 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 area.
- 2.1 Locate damaged area from plans and specifications.
 - 2.2 Check that fall safety devices have been installed correctly.
 - 2.3 Remove damaged tiles with minimum disturbance to remaining roof tiles.
 - 2.4 Remove pointing or bedding without damage to roof tiles.
 - 2.5 Clean damaged area and remove loose waste.
 - 2.6 Check roof battens, sarking, boarding and flashing installations for soundness and adequacy.
- 3 Replace roof tiles.
- 3.1 Inspect each replacement tile for match to existing tiles and relocate existing tiles to allow for aesthetic blending.
 - 3.2 Mix bedding to Australian Standards.
 - 3.3 Lay tiles to existing design, gauge, alignment and bond specifications.
 - 3.4 Strike bedding joints to match existing colour.

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| 4 Replace pointing material. | 4.1 Mix pointing material to Australian Standards. |
| | 4.2 Apply pointing material to ridge tile joints. |
| | 4.3 Point joints/collars to match finish to existing surrounds. |
| 5 Clean up. | |
| | 5.1 Remove loose material from roof tile surface, clear work area, dispose of materials, and reuse or recycle in compliance with legislation, regulations and codes of practice. |
| | 5.2 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 CPCCR3004B Repair and renovate tile 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 CPCCR3004 Repair and renovate tile roofs

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Performance Evidence

To demonstrate competency, a candidate must satisfy all of the elements, performance criteria and foundation skills of this unit by repairing and renovating a minimum one square metre of tiles, including damaged hip cuts, re-bedding and pointing, and replacing:

- damaged battens
- damaged sarking
- flashing and or sarking under downpipe spreader.

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 repairing and renovating tile roofs
- workplace quality policies and standards for repairing and renovating tile roofs
- safety requirements for repairing and renovating tile 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 repairing and renovating tile roofs
- characteristics and applications of roof tiling materials
- installation of roof battens, sarking and flashing
- leak detection and causes of leaks in roofs
- types and uses of materials storage and environmentally friendly waste management

- measuring and marking for repairing and renovating tile roofs
- types and uses of plans, drawings and specifications for repairing and renovating tile roofs
- types and uses of tools and equipment for repairing and renovating tile roofs
- processes for the calculation of material requirements for repairing and renovating tile roofs
- types and uses of roof construction systems and structures and tiling considerations
- roof tiling techniques and procedures and the process of repairing/renovating tiled roofs.

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

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