



Australian Government

CPCCRT3005 Slate a roof

Release: 3

CPCCRT3005 Slate a roof

Modification History

- Release 3 Updated reference to general construction induction training program.
- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.
Performance Evidence and Knowledge Evidence formatted for clarity. Changes to Performance Evidence.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
Supersedes and equivalent to CPCCRT3005B Slate a roof. Updated to meet the Standards for Training Packages 2012.

Application

This unit of competency specifies the skills and knowledge required to install slate on a conventional hip and valley roof.

It includes preparing, setting out and installing slate to a roof and replacing damaged slates.

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 slate a roof. | 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 Set out roof surface, board and/or batten, sark and strike. |
| | 2.4 Check roof surface and structure for stability, and for safe access to roof. |
| 3 Prepare slate. | 3.1 Load onto, support and evenly distribute slate on roof. |
| | 3.2 Grade, mark and hole slate to alignment requirements. |
| 4 Lay and secure slate. | 4.1 Lay and secure slate to designed layout of gauge, bond and line. |
| | 4.2 Finish ridges and hips in accordance with placement of |

- slate.
- 4.3 Install, measure, prepare, fit and fix hip covering.
- 5 Replace slates.
- 5.1 Remove damaged slate avoiding damage to surrounding slates.
- 5.2 Prepare and fix replacement slate to match surrounds.
- 6 Clean up.
- 6.1 Clear roof and guttering, and remove waste and surplus material
- 6.2 Clear work area and dispose of, reuse or recycle materials in accordance with legislation, regulations, codes of practice and job specification.
- 6.3 Clean, check, maintain and store plant, 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 CPCCR3005B Slate a roof.

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 CPCCRT3005 Slate a roof

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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:

- slating a roof frame, incorporating:
 - setting out, boarding/battening, sarking and striking
 - a 1.5 metre mitred hip
 - a 1.5 metre valley
 - a 1.5 metre gable with flashings to a wall or abutment
 - a 1.5 metre top ridge
 - use of hook fixing systems
 - bedding and pointing
- removing and replacing a minimum of three damaged slates.

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 slating a roof
- workplace quality policies and standards for slating a roof
- safety requirements for slating a roof, 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 slating a roof
- characteristics and applications of slate and slating materials:
 - hip finishes:
 - mitred
 - lead
 - ridge
 - metal
 - preparation materials/processes:
 - battened and felted (sarked)
 - boarded and felted (sarked)
 - boarded
 - felted (sarked)
 - battened and boarded, felted (sarked)
 - counter-battened
 - battened
- installation of roof battens, sarking and flashing
- processes for using hook fixing systems when changing slate
- incorporating patterns to laying of slate
- types and uses of materials storage and environmentally friendly waste management
- measuring and marking for slating a roof
- types and uses of plans, drawings and specifications for slating a roof
- processes for setting out:
 - head lap
 - side lap
 - angle of creep
- types and uses of tools and equipment for slating a roof
- processes for the calculation of material requirements for slating a roof
- types and uses and slating considerations of roof construction systems and structures
- slating techniques and procedures.

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.

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