

Unit of Competency CPCPRF3024

Install roof components

Application

This unit specifies the skills and knowledge required to install roof components. It includes flashing penetrations through a roof to maintain weatherproofing.

In some jurisdictions, this unit of competency may form part of accreditation, licensing, legislative, regulatory or certification requirements.

Prerequisite Unit

CPCPCM2043 Carry out WHS requirements

CPCPCM2055 Work safely on roofs

Elements and Performance Criteria

1. Identify installation requirements.	1.1 Access, read and determine roof component installation requirements from job specifications, relevant Australian Standards, codes, manufacturers' instructions and jurisdictional requirements
	1.2 Identify and apply workplace, work health and safety (WHS) and environmental requirements.
2. Prepare for work.	2.1 Create a materials list and collect materials.
	2.2 Select appropriate tools and equipment including personal protective equipment (PPE).
	2.3 Check roof structure for possible obstructions.
	2.4 Identify any battens to be relocated, if required.
	2.5 Identify any structural supports to be relocated and report to relevant persons for assessment, if required.
3. Install roof components.	3.1 Locate and set out opening for installation of components.
	3.2 Relocate battens where required.
	3.3 Perform installation, fixing and sealing of roofing components.
4. Clean up.	4.1 Clear the work area and dispose of, reuse or recycle materials in accordance with state or territory legislation and workplace requirements.
	4.2 Clean tools and equipment, check for serviceability and report any damage, and store and secure.

Foundation skills

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

Unit Mapping Information

Supersedes and is equivalent to CPCPRF3024A Install roof components.

Links

Companion Volume Implementation Guide:

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>

Assessment Requirements for CPCPRF3024

Install roof components

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by:

- installing and sealing two of the following roof components, one to include a soaker tray and one to include a back-pan over flashing:
 - o thermal vent or skylight
 - o non-mechanised ventilator unit
 - o manual box type louvre unit
 - o continuous roof ventilator
- installing batten, trimmer or soaker support
- installing one vent that includes non-combustible mesh to be bushfire compliant.

Knowledge Evidence

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

- terminology relating to installation of roof rainwater drainage and roof components
- approved materials, their characteristics and application relating to the installation of roof components:
 - o anti-capillary breaks
 - o thermal expansion
 - o flashing and capping cover
 - o flashing jointing
 - o sealants
 - o fasteners and fixings
 - o trimmer and soaker support
 - o non-combustible mesh
 - o tools
- electrolysis and problems associated with the use of dissimilar metals
- processes, procedures and techniques for installing roof components:
 - o bushfire compliance including National Association for Steel-Framed Housing (NASH) Standard for construction in bushfire areas or AS 3959 *Construction of buildings in bushfire-prone areas*
 - o adequate structural supports
- how to access relevant information, including codes and standards
- tools, materials and equipment used to install roof components
- work health and safety (WHS) requirements for installing roof components.

Assessment Conditions

Assessors must satisfy the requirements for assessors listed 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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