

Unit of Competency CPCPRF3026

Install roof sheets, wall cladding and complex flashings

Application

This unit specifies the skills and knowledge required to install roof sheets, wall cladding and complex flashings.

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.	<ul style="list-style-type: none">1.1 Access, read and determine installation requirements for roof sheets, wall cladding and complex flashings from job plans and specifications, codes, relevant Australian Standards, manufacturer's specifications and jurisdictional requirements.1.2 Identify and apply workplace, work health and safety (WHS) and environmental requirements.1.3 Identify whether the materials used are compatible with the surrounding environment and other material within the installation, in accordance with workplace procedures.1.4 Identify roof insulation to meet energy efficient and moisture control requirements.1.5 Identify safety mesh requirements.
2. Prepare for work.	<ul style="list-style-type: none">2.1 Determine material types and calculate quantities from job plans and specifications and in accordance with truss and/or batten spacings.2.2 Prepare roof and wall coverings, sealant, non-metallic materials, fixing materials, roofing and catchments to comply with job plans and specifications.2.3 Create a materials list and collect materials.2.4 Select and check serviceability of appropriate tools, plant and equipment including application of personal protective equipment (PPE).2.5 Check fall protection system is in place and secure.
3. Install roof sheeting.	<ul style="list-style-type: none">3.1 Fix safety mesh and insulation according to job plans and specifications, relevant codes, Australian Standards, manufacturer's specifications and jurisdictional requirements.3.2 Mark and trim roof sheets prior to fixing in accordance with truss and roof batten spacings.3.3 Treat cut edges of roof sheets according to manufacturer's specifications.3.4 Fix roof sheeting, cladding and non-metallic materials in accordance with relevant codes, Australian Standards, manufacturer's specifications and jurisdictional requirements.

4. Install wall cladding and complex roof flashings.	<p>4.1 Measure, cut and fasten support battens, where required, in accordance with relevant codes, Australian Standards manufacturer's specifications and jurisdictional requirements.</p> <p>4.2 Measure and cut weather cladding using appropriate fastening methods, as required, in accordance with relevant codes, Australian Standards and manufacturer's specifications.</p> <p>4.3 Perform installation of complex flashing using approved joining and fastening techniques.</p> <p>4.4 Seal and weatherproof installation according to job plans and manufacturer's specifications.</p>
5. Clean up.	<p>5.1 Clear the work area and dispose of, reuse or recycle materials in accordance with state and territory legislation and workplace requirements.</p> <p>5.2 Clean tools and equipment, check for serviceability reporting any damage, store and secure.</p>

Foundation skills

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

Unit Mapping Information

Supersedes and is non-equivalent to CPCPRF3026A Install composite roof systems.

Links

Companion Volume Implementation Guide:

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

Assessment Requirements for CPCPRF3026 Install roof sheets, wall cladding and complex flashings

Performance Evidence

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

- installing roof sheeting, wall cladding and insulation from given plans and specifications, ensuring that jointing and sealing are weatherproofed. Each roof sheeting installation to be a minimum of 4 square metres in area, and include flashings and cappings, using the pierced and concealed fastening methods.
- installing one complex roof flashing from given plans and specifications, to a dormer or portico and a transition flashing between two different roof pitches, ensuring that jointing and sealing are weatherproofed to a:
 - complex junction of flashings incorporating two barges and a rolled ridge over a dormer; or
 - dorma valley installation penetrating and terminating through a steep pitched roof; and
 - steep pitch to Flatdek transition flashing including a valley over an internal angle in the flashing.

Note: Jointing and sealing to be weatherproof.

Knowledge Evidence

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

- Safe Work Australia - Managing the risk of falls in housing construction, Code of Practice
- sequential installation
- battens and/or safety battens required spacings for:
 - 600 mm truss spacing
 - >900 mm truss spacing
- batten fixing requirements to roof trusses
- roof components:
 - roof sheeting
 - wall cladding
 - flashing and capping
 - complex flashing
 - roof battens
 - fixings and fasteners
 - weathering
 - approved sealants

- installation in bushfire prone areas
- how to access relevant information, including codes and standards
- tools, materials and equipment used to install roof sheeting, wall cladding and complex flashings
- work health and safety (WHS) requirements to install roof sheeting, wall cladding and complex flashings.

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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