



**Australian Government**

# **CPCPRF3026 Install roof sheets, wall cladding and complex flashings**

**Release: 2**

# CPCPRF3026 Install roof sheets, wall cladding and complex flashings

## Modification History

- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 6.5.
- Amended Performance Criteria 1.4, 2.2, 3.2, 4.1 through 4.4.
  - Amended Performance Evidence.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
- Supersedes and is not equivalent to CPCPRF3026A Install composite roof systems. Updated to meet the Standards for Training Packages 2012.

## 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.

## Pre-requisite Unit

CPCPCM2043 Carry out WHS requirements

CPCPCM2055 Work safely on roofs

## Unit Sector

Plumbing and Fire Services

## Elements and Performance Criteria

Elements describe the essential outcomes.

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

- |                                       |                                                                                                                                                                             |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 Identify installation requirements. | 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 (i.e. breathable membrane) requirements.
  - 1.5 Identify safety mesh requirements.
- 2 Prepare for work.
- 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, relevant codes, Australian Standards, manufacturer's specifications and jurisdictional requirements.
  - 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.
- 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 installation 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. |                                                                                                                                                                                                                               |
|   | 4.1                                               | Measure, cut and fasten support battens, where required, in accordance with relevant codes, Australian Standards, manufacturer's specifications and jurisdictional requirements, where permitted by the regulatory authority. |
|   | 4.2                                               | Measure, cut and weather roof sheets and wall cladding in accordance with relevant codes, Australian Standards and manufacturer's specifications.                                                                             |
|   | 4.3                                               | Install complex flashing using approved joining and fastening techniques.                                                                                                                                                     |
|   | 4.4                                               | Roof sheets and wall cladding to be sealed and weatherproof according to relevant codes, Australian Standards, manufacturer's specifications and jurisdictional requirements.                                                 |
| 5 | Clean up.                                         |                                                                                                                                                                                                                               |
|   | 5.1                                               | Clear the work area and dispose of, reuse or recycle materials in accordance with state and territory legislation and workplace requirements.                                                                                 |
|   | 5.2                                               | Clean tools and equipment, check for serviceability reporting any damage, 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 not equivalent to CPCPRF3026A Install composite roof systems.

## 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 CPCPRF3026 Install roof sheets, wall cladding and complex flashings

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## Performance Evidence

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

- installing roof sheeting, wall cladding and insulation to a steep pitch roof structure not less than two metres wide and 1.5 metres long incorporating a dormer window or portico, draining onto a flat roof.
- installing the following complex flashings to a roof structure incorporating a
  - complex junction with two barges and a rolled ridge over a dormer roof; and
  - dormer or portico valley installation penetrating and terminating through a steep pitched roof; and
  - a transition flashing to seal between the steep pitch roof and the flat roof.

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 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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