

Unit of Competency CPCPRF3023

Fabricate and install external flashings

Application

This unit specifies the skills and knowledge required to fabricate and install external 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. Prepare for work.	<ul style="list-style-type: none">1.1 Access, read and determine installation requirements and methods from relevant plans, specifications, current codes, Australian Standards and manufacturers' instructions.1.2 Check that the materials used are compatible with the surrounding environment and other materials associated within the installation.1.3 Identify, interpret and follow workplace policies and procedures, work health and safety (WHS), environmental and sustainability requirements associated with the fabrication and installation of external flashings.1.4 Determine job priorities and sequence job tasks in consultation with others onsite.1.5 Identify potential hazards and determine and implement control measures and personal protective equipment (PPE) requirements.1.6 Check fall protection system is in place and secure.1.7 Select and check serviceability of appropriate tools, equipment and PPE.
2. Identify installation requirements.	<ul style="list-style-type: none">2.1 Locate external flashings to be installed from relevant working drawings, plans, specifications, site measurements, codes, Australian Standards and manufacturers' instructions.2.2 Locate and select materials required for the installation.2.3 Order and receive required materials and equipment according to workplace requirements.2.4 Check materials and equipment against the docket and order form for correct product, compliance with Australian Standards and acceptable condition and action discrepancies according to workplace requirements.
3. Fabricate and install external flashings.	<ul style="list-style-type: none">3.1 Fabricate external flashings ensuring compliance with relevant working drawings, plans, specifications, site measurements, codes, Australian Standards and manufacturers' instructions.3.2 Install external flashings using appropriate fastening and sealing methods.
4. Clean up.	<ul style="list-style-type: none">4.1 Clear the work area and dispose of, reuse or recycle materials in accordance

	<p>with state or territory legislation and workplace requirements.</p> <p>4.2 Clean tools and equipment, check for serviceability and report any damage, and store and secure.</p>
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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 CPCPRF3023A Fabricate and install external flashings.

Links

Companion Volume Implementation Guide:

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

Assessment Requirements for CPCPRF3023 Fabricate and install external flashings

Performance Evidence

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

- measuring site for external flashings with appropriate angles, cover and cutting allowance for fabrication
- fabricating and installing roof flashings to include:
 - an apron, parapet, soaker, hanging or barge with two flashings:
 - that are a minimum length of 600 mm
 - one with an external angle and one with an internal angle
 - a roll top ridge and hip junction capping with three flashings that are each a minimum length of 600 mm
 - hip or barge termination at eave with one flashing that is a minimum length of 600 mm.

Knowledge Evidence

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

- capillary action, thermal expansion and fabrication techniques to maintain weathertightness
- corrosion control
- appropriate fastening, spacing and sealing methods to ensure compliance with relevant current codes, standards and manufacturers' instructions and jurisdictional requirements:
 - National Construction Code (NCC)
 - AS 1562.1 *Design and installation of sheet roof and wall cladding*
 - HB39 *Installation code for metal roof and wall cladding*
- materials and their application for the fabrication and installation of external flashings including suitability for water harvesting
- how to access relevant information, including codes and standards
- tools, materials and equipment used to fabricate and install external flashings
- work health and safety (WHS) requirements for fabricating and installing external 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.

Links

Companion Volume Implementation Guide:

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