



Australian Government

CPCPRF3022 Fabricate and install roof drainage systems

Release: 1

CPCPRF3022 Fabricate and install roof drainage systems

Modification History

Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.

Supersedes and is equivalent to CPCPRF3022A Fabricate and install roof drainage components. Updated to meet the Standards for Training Packages 2012.

Application

This unit specifies the skills and knowledge required to fabricate and install roof drainage systems and associated rainwater components.

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 roof drainage system 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 and sustainability requirements.

- 1.3 Calculate material quantities from plans and specifications.
 - 1.4 Draw fabrication pattern based on plans and specifications as required.
 - 1.5 Determine type and size of gutters, downpipes and support system from plans and specifications and to comply with relevant Australian Standards.
 - 1.6 Confirm materials are compatible with the roof in accordance with workplace procedures.
- 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 Identify materials and equipment required to complete work tasks.
 - 2.4 Inspect access to roof work area and ensure fall protection equipment is in place if required.
- 3 Fabricate roof drainage components.
 - 3.1 Mark out material according to pattern drawings or plans and specifications.
 - 3.2 Perform fabrication of roof drainage component in accordance with current Australian Standards and manufacturers' instructions.
 - 3.3 Fasten and seal the roof drainage component to comply with current Australian Standards and manufacturers' instructions if required.
- 4 Install roof drainage components.
 - 4.1 Set out the location of roof drainage components according to plans and specifications.
 - 4.2 Install the support system to suit the roof drainage component if required.
 - 4.3 Install the roof drainage component in accordance with current Australian Standards and manufacturers'

instructions.

- | | | | |
|---|-----------|-----|--|
| 5 | Clean up. | 5.1 | Clear the work area and dispose of, reuse or recycle materials in accordance with state or territory legislation and workplace requirements. |
| | | 5.2 | 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 CPCPRF3022A Fabricate and install roof drainage components.

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>