



Australian Government

CPCPRF2023 Collect and store roof water

Release: 2

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Modification History

- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 6.5.
Amended Performance Criteria and Knowledge Evidence.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
Supersedes and is equivalent to CPCPRF2023A Collect and store roof water.
Updated to meet the Standards for Training Packages 2012.

Application

This unit specifies the skills and knowledge required to collect and store roof water. It includes installing storage tanks and related piping for the collection and storage of roof water.

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

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 water storage system requirements.	1.1 Access, read and determine water storage installation requirements from job specifications, relevant Australian Standards, codes, manufacturers' instructions and jurisdictional requirements.
	1.2 Obtain, interpret and follow workplace, work health and safety (WHS) and environmental requirements.
	1.3 Site's annual rainfall is determined from meteorological

- or other relevant data.
- 1.4 Roof catchment area is determined from plans or site inspection.
 - 1.5 Water consumption requirements for the installation are determined.
 - 1.6 Total water storage requirements for the installation are determined.
- 2 Plan and prepare for installation.
- 2.1 Create a materials list and collect materials.
 - 2.2 Select appropriate tools and equipment including personal protective equipment (PPE).
- 3 Install storage system.
- 3.1 Prepare the worksite including installation of tank stand or base according to specifications, minimising damage to surrounding structures or existing services.
 - 3.2 Install inlet connections and relevant flushing devices to gutters, incorporating leaf catchers and downpipes into the storage tank.
 - 3.3 Connect storage tank overflow to an approved stormwater point of discharge.
 - 3.4 Perform and review installation of storage tank according to job specification and current statutory and regulatory authority requirements.
- 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.
 - 4.3 Documentation is completed according to workplace requirements.

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 CPCPRF2023A Collect and store roof water.

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 CPCPRF2023 Collect and store roof water

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Performance Evidence

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

- installing a water tank to collect and store water from a roof catchment area
- installing a tank stand or supporting base
- installing a storage tank of not less than 500 litres' capacity
- installing inlet connection and a first flush device connected to a gutter and incorporating a leaf catcher and downpipe to direct rainwater into the storage tank
- connecting the storage tank overflow to an approved stormwater point of discharge.

Knowledge Evidence

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

- procedures for commissioning water storage tanks for use
- characteristics of materials and components of authorised materials that comply with local authority requirements:
 - brackets and supports
 - metal guttering
 - polyvinyl chloride (PVC)
 - sealants, adhesives and fasteners
 - tank stands
- properties of water:
 - effect of gravity and atmospheric pressure
 - procedures for maintaining water quality
 - sources of contamination and impurities

- restriction on the use of lead within the roof catchment area
- regulations and identification requirements pertaining to collecting and storing drinking water and non-drinking water
- how to access relevant information, including codes and standards
- tools, materials and equipment used to collect and store roof water
- work health and safety (WHS) requirements for collecting and storing roof water.

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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