



Australian Government

Assessment Requirements for AHCGRI402 Construct vertical gardens and green facades

Release: 1

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Modification History

Release	Comments
Release 1	This version released with AHC Agriculture, Horticulture and Conservation and Land Management Training Package Version 6.0.

Performance Evidence

An individual demonstrating competency must satisfy all of the elements and performance criteria in this unit.

There must be evidence that the individual has safely constructed:

- one vertical garden with a minimum of 4 square metres, and
- one green facade with a minimum of 4 square metres.

In completing the above, there must also be evidence that the individual has:

- sequenced the building and installation process to efficiently and effectively complete the project with minimum disruption to residents and/or the community
- complied with design plans and specifications, relevant building codes and standards, and regulatory requirements
- installed systems and components to manufacturers' specifications and without damage.

Knowledge Evidence

An individual must be able to demonstrate the knowledge required to perform the tasks outlined in the elements and performance criteria of this unit. This includes knowledge of:

- green infrastructure construction requirements for:
- maintaining integrity of waterproofing materials
- drainage systems
- irrigation systems
- storing and recycling water systems
- lighting and/or air flow systems
- site management and materials handling and storage
- types of vertical garden construction:
 - hydroponic system
 - substrate based system
- techniques for fixing facade and vertical garden components

- components of vertical garden and green facade construction
- risks associated with construction of vertical gardens and green facades
- planting methods that comply with the growing requirements of individual plant species and cultivars
- initial establishment needs of plants used in vertical gardens and green facades
- professional practice requirements in construction of vertical gardens and green facades, including:
 - limitations and boundaries
 - roles and responsibilities of building professionals and authorities
- national, state, territory and local authority regulations, policies and procedures and permits relevant to vertical garden and green facade construction
- national building regulations, standards and codes relevant to vertical garden and green facade construction
- current and relevant work health and safety and environmental requirements relevant to vertical garden and green facade construction
- plant, equipment, hand and power tools, and operator certification requirements for operation, for construction of vertical garden and green facade.

Assessment Conditions

Assessment of the skills in this unit of competency must take place under the following conditions:

- physical conditions:
 - skills must be demonstrated in a green infrastructure workplace or an environment that accurately represents workplace conditions
- resources, equipment and materials:
 - plant, equipment and power tools relevant for vertical garden and green facade construction
 - proprietary or custom vertical garden and green facade systems
 - personal protective equipment
- specifications:
 - specific organisational policies, procedures and processes including work health and safety and environmental documentation relevant to vertical garden and green facade construction
 - building regulations, standards and codes
- relationships:
 - client or team members, designer or associated specialists to confirm construction requirements.

Assessors of this unit must satisfy the requirements for assessors in applicable vocational education and training legislation, framework and/or standards.

Links

Companion Volumes, including Implementation Guides, are available at VETNet: -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c6399549-9c62-4a5e-bf1a-524b2322cf72>