



Australian Government

**Assessment Requirements for
CPCCP3003 Apply waterproofing
process to external above-ground wet areas**

Release: 2

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Modification History

Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.

Change to Unit Sector.

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

Supersedes and equivalent to CPCCWP3003A Apply waterproofing process to external wet areas. Change to title. Updated to meet the Standards for Training Packages 2012.

Performance Evidence

To demonstrate competency, a candidate must satisfy all of the elements, performance criteria and foundation skills of this unit by:

- waterproofing:
 - a minimum four square metres of a balcony/deck:
 - where the structural floor levels have a step down of no less than 40 millimetres from internal to external
 - the balcony/deck has fall to the drainage point
 - detailing is provided through threshold cross-section, indicating how waterproofing would terminate at balustrade posts
 - a minimum 600 millimetres x 600 millimetres x 300 millimetres high planter box
- installing sealant to a minimum 900 millimetres long x 25 millimetres wide external above-ground construction joint for waterproofing.

All work must be performed to the standard required in the workplace and must comply with laws and regulations, Australian Standards, work health and safety (WHS) and environmental requirements, manufacturers' specifications and workplace requirements.

Knowledge Evidence

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

- requirements of Australian Standards for waterproofing above-ground external wet areas
- safety requirements for waterproofing above-ground external wet areas, including:
 - job safety analyses and/or safe work method statements in accordance with Safe Work Australia Code of Practice for Construction Work or state and/or territory equivalent

- safety data sheets (SDS)
- personal protective equipment (PPE)
- manufacturers' specifications for waterproofing systems and materials
- waterproofing around fixtures:
 - balustrades
 - posts
 - service penetrations
 - drainage angles and drip moulds
 - skylights
- assessment and appreciation of moisture content in substrate materials for waterproofing above-ground external wet areas
- waterproofing materials, processes and systems for external wet areas:
 - waterproofing systems/materials:
 - water-based
 - cementitious
 - moisture-cured
 - sprayed material membranes
 - sheet:
 - butyl
 - ethylene propylene diene monomer rubber (EPDM)
 - polyvinyl chloride (PVC)
 - decoupling
 - ancillary materials:
 - adhesives
 - drainage cell
 - geotech fabric
 - protection board
 - sealants
 - drainage flanges
 - penetration flashings
 - water stops
- application of sealants:
 - silicons
 - polyurethanes
 - modified silanes
 - SPUR
- methods for avoiding three-sided adhesion:
 - backing rods
 - release tapes

- characteristics and applications of waterproofing materials and adhesives for above-ground external wet areas
- construction systems and waterproofing considerations for external above-ground wet areas:
 - compatibility of systems
 - design principles
 - drainage requirements
 - hydrostatic pressures
 - structural movement
 - substrate type and condition
 - environmental factors:
 - substrate
 - materials
 - ambient temperatures
 - allowing water flow
 - slope, fall and grade of surfaces
 - water run-off and impact on adjoining property
 - waterproofing protection
- types and uses of materials storage and environmentally friendly waste management
- types and uses of plans, drawings and specifications for waterproofing above-ground external wet areas
- types and uses of tools and equipment for waterproofing external above-ground wet areas
- principles and considerations of water exclusion
- processes for the calculation of material requirements for waterproofing external above-ground wet areas
- quality requirements for waterproofing external above-ground wet areas
- termination, cross cavity and overflashing requirements
- testing procedures for waterproof membrane systems.

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

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>