



Australian Government

Assessment Requirements for CPCCWP3001 Apply waterproofing system to below ground level wet areas

Release: 3

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Modification History

- Release 3 Updated reference to general construction induction training program.
- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.
Knowledge Evidence formatted for clarity. 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 CPCCWP3001A Apply waterproofing process to below ground level wet areas. 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 applying waterproofing to below-ground wet areas, including:

- a liquid system to waterproof:
 - covering a minimum of two square metres of a masonry wall
 - with a strip or toe footing, including terminations
 - including at least one penetration and a wall-to-wall junction
- a sheet system to waterproof:
 - covering a minimum of two square metres of a masonry wall
 - with a strip or toe footing, including terminations
 - including at least one penetration and a wall-to-wall junction.

In doing this, the candidate must apply protection of the 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 below-ground wet areas
- safety requirements for waterproofing below-ground 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
- below-ground waterproofing materials, processes and techniques:
 - external and internal vertical walls constructed below ground level
 - under slab waterproofing barriers
 - foundation work
 - lift pits
 - retaining walls
- underground residential and commercial spaces:
 - basements
 - car parks
 - storage areas
- characteristics and applications of waterproofing materials:
 - liquid:
 - bituminous
 - cementitious-based
 - injection
 - polyurethane
 - sheet:
 - bentonite composites
 - butyl
 - modified bitumen sheet
 - ethylene propylene diene monomer rubber (EPDM)
 - polyvinyl chloride (PVC)
 - waterproofing materials:
 - geotech fabric
 - protection board
 - substrate primer
 - water stops
- waterproofing considerations in construction systems:
 - compatibility of systems
 - UV stability at above ground transition
 - causes of water penetration:
 - leakage through wall and floor finishes
 - penetration at joints and junctions
 - movement from shrinkage
 - accumulated drainage

- failure of or damage to waterproofing system
- corners and terminations
- curing times of compounds and their applications
- damp-proof courses and flashings
- hydrostatic pressure
- impact of environmental conditions
- joining
- perimeter treatment:
 - pressure seals cross cavity and over flashing
 - thermal shrinkage (expansion and contraction)
- shelf life of waterproofing products
- surface applications and protection requirements
- use of bond-breakers
- use of sealants
- waste allowances
- materials storage and environmentally friendly waste management
- types and uses of plans, drawings and specifications for waterproofing below-ground wet areas
- types and uses of tools and equipment for waterproofing below-ground wet areas
- drainage and protection systems
- types and uses of materials used for below ground application
- principles and considerations of water exclusion:
 - positive
 - negative
 - blind-side membrane
- quality requirements for waterproofing below-ground wet areas
- termination and detailing for waterproofing below-ground wet areas.

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>