



Australian Government

**Assessment Requirements for
CPCCP3004 Apply waterproofing
remedial processes**

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 CPCCWP3004A Apply waterproofing remedial processes. 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:

- analysing defects that require application of waterproofing remedial systems in each of the following:
 - a crack in concrete or masonry of a minimum 900 millimetres
 - a cracked concrete or masonry floor/wall junction of a minimum 900 millimetres
 - rising damp in a minimum 900 millimetre length of concrete/masonry wall
 - a live leak in concrete or masonry
 - a damaged waterproofing membrane
- selecting waterproofing remedial techniques for each of the above waterproofing remedial processes
- repairing a minimum of two of the above defects using at least three different remedial waterproofing techniques.

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 applying waterproofing remedial processes
- safety requirements for applying waterproofing remedial processes, 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)
- tests of effectiveness of remedial waterproofing:
 - water test
 - flood test
 - moisture readings
 - thermal survey
 - visual inspection
- manufacturers' specifications for waterproofing systems and materials
- remedial waterproofing techniques:
 - remedial injection epoxies or urethanes
 - hydraulic plug or seals
 - cement crystallisation or hydrostatic coating methods
 - concrete repair systems
 - damp-proof course injections
 - application of densifiers
 - remediation to damaged membrane systems
- characteristics and applications of remedial waterproofing materials:
 - cementitious products
 - epoxies
 - expanding polyurethane foam
 - polyurethane resin systems
 - silicon, silane and siloxane products
 - single and dual component resins
- construction systems and waterproofing considerations:
 - barriers to stop rising damp
 - concrete crystallisation/injection
 - concrete repair injection hydrostatic barrier coatings
 - membranes
 - saturants on an external wall (in case of flood)
- types and uses of materials storage and environmentally friendly waste management
- technical specifications for applying waterproofing remediation
- types and uses of tools and equipment
- principles and considerations of water exclusion
- quality requirements for waterproofing remediation.

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>