



Australian Government

Assessment Requirements for CPCCWP5005 Prepare a scope of works for remedial waterproofing

Release: 1

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Modification History

Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 9.0.

Newly created unit.

Performance Evidence

A person demonstrating competency in this unit must satisfy the requirements of the elements, performance criteria and foundation skills of this unit, in addition to the specific performance and knowledge evidence described below.

Prepare and document three (3) scopes of work and specifications for three (3) diagnostic reports provided, chosen from list provided:

- one investigation and report from an internal wet area which includes a shower
- one investigation and report of water ingress through:
 - an external wall, adjacent to a waterproofed balcony or deck; OR
 - water ingress below a concrete roof terrace
- one investigation and report of water ingress below a waterproofed, lightweight, flat roof structure or balcony
- one investigation and report of water ingress to habitable space below ground.

In doing so, the scopes of work and specifications must include at least two (2) alternative system specifications for one (1) of the scopes of work.

Scope of works must also include:

- project aims
- references to regulatory and Australian Standards requirements
- quality assurance requirements
- environmental considerations
- extent of demolition
- roles and responsibilities
- sequence of construction stages
- hours of work
- safety
- rubbish removal
- availability of services
- finishes
- re-instatement works

- protection works
- latent conditions.

Knowledge Evidence

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

- contributing site factors, including:
 - water ingress sources
 - surface water pathways
 - sub-surface water pathways
 - properties of water and moisture movement
 - gradient or falls
 - hydrostatic pressure
 - surface tension of finishes
 - capillarity
 - size and effectiveness of outfalls
 - service and fixing penetrations
 - entry thresholds and openings
- building elements and integration, including:
 - principles of water capture, direction and shedding
 - relationship between structural components
 - building movement
 - wind loadings
 - construction materials and their properties
- inspection and testing protocols utilising factors and influences in accordance with risk levels, including:
 - curing times and stages
 - stage inspections or hold points
 - observation procedures
 - establishing control areas and reference points
 - non-destructive investigation procedures
 - destructive investigation procedures
 - utilising information from other sources, e.g., hydraulic and drainage reports, Bureau of Meteorology (BOM) observations
- setting control parameters and testing methods, including:
 - selection of appropriate test method
 - calibration of testing equipment
 - effects on testing equipment by site conditions and testing procedures
- National Construction Code (NCC) performance requirements relevant to areas tested, including:
 - waterproofing

- weather proofing
- damp proofing
- condensation management
- NCC evidence of suitability in relation to waterproofing system performance, including:
 - independent test reports
 - CodeMark Australia
 - other independent testing organisations
- Australian Standards and design requirements relevant to areas inspected
- waterproofing system manufacturers' requirements, including:
 - data sheets and specifications
 - installation method statements
 - performance of system according to service conditions
 - suitability of materials as fit for purpose
 - compatibility of components within the system
- properties of waterproofing systems available:
 - substrate assessment and preparation
 - combining components to form a system
 - component compatibility in a combined system
 - component properties for site conditions
 - component installation practices
- system analysis for effectiveness
- report content and communication of findings:
 - types of diagnostic reports and structures, including:
 - issue
 - performance standard
 - remedial action required
 - tables and diagrams
 - photographic evidence
 - thermal imaging analysis
 - interpreting measurement values
 - references to Australian Standards and designs
 - verbal communication strategies
 - different audiences
 - presenting evidence
- stakeholders:
 - architect
 - engineer
 - builder
 - building owner
 - consumer

- design team
- construction team
- certifier
- building surveyor
- regulators.

Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations.

Assessment of performance must be undertaken in the workplace or simulated workplace environment. A simulated workplace is one that fully replicates the resources, environment and any time and productivity pressures that exist in the actual workplace, and which meets industry standards for safety and environmental practices.

Candidates must have access to:

- relevant tasks
- Australian Standards, relevant building legislation, industry codes, NCC and requirements of workplace policies and procedures as required by Commonwealth, state and territory regulators
- relevant environmental requirements.

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>