



Australian Government

CPCCWP2004 Prepare surfaces for waterproofing application

Release: 3

CPCCWP2004 Prepare surfaces for waterproofing application

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.
Addition of points 1.6 and 1.7 to the Performance Criteria. 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 CPCCWP2004A Prepare surfaces for waterproofing application. Updated to meet the Standards for Training Packages 2012.

Application

This unit specifies the skills and knowledge required to repair and prepare different surfaces for the application of waterproofing, meeting all relevant requirements of Australian Standards, work health and safety (WHS), and Commonwealth and state or territory legislation.

The unit is suitable for those with basic skills and knowledge undertaking routine waterproofing tasks.

Completion of the general construction induction training program specified by the model Code of Practice for Construction Work is required for any person who is to carry out construction work. Achievement of *CPCWHS1001 Prepare to work safely in the construction industry* meets this requirement.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry

Unit Sector

Construction waterproofing

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe what needs to be done to demonstrate achievement of the element.

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| 1 Plan and prepare to prepare surfaces for waterproofing application. | 1.1 Read and interpret work instructions and plan sequence of work. |
| | 1.2 Select and use personal protective equipment (PPE) as required for each stage of the task. |
| | 1.3 Plan all work to comply with laws and regulations, Australian Standards, work health and safety (WHS) and environmental requirements, manufacturers' specifications, workplace requirements, drawings and specifications. |
| | 1.4 Follow requirements of job safety analyses and safety data sheets. |
| | 1.5 Inspect work site, assess hazards and apply risk controls, including required signage and barricades. |
| | 1.6 Select tools and equipment, check for serviceability and report any faults. |
| | 1.7 Select materials required for task, calculate quantities, handle safely and prepare and position ready for use. |
| 2 Prepare work area. | 2.1 Identify area to be waterproofed from plans and specifications. |
| | 2.2 Inspect and test surface to determine appropriateness of the installation and for any contaminants, moisture or incompatible materials. |
| | 2.3 Provide ventilation in accordance with safety data sheets. |
| | 2.4 Provide run-off and environmental controls to regulatory and workplace requirements. |
| | 2.5 Clean and prepare work area for the waterproofing processes to manufacturers' specifications and site requirements. |
| 3 Prepare substrate. | 3.1 Assess surface for defects and report areas of concern. |

- 3.2 Select tools to repair/prepare the surface.
 - 3.3 Determine method of repairing surface defects, consistent with type of material surface, size of defect, compatibility of materials and specified finish.
 - 3.4 Select, prepare and apply repair materials to manufacturers' specifications.
 - 3.5 Prepare substrate for water proofing system.
 - 3.6 Clean surface area of unwanted materials to provide a uniform surface.
 - 3.7 Protect surface until the application of the waterproof membrane.
- 4 Clean up.
- 4.1 Clear work area, dispose of materials, and reuse or recycle in compliance with legislation, regulations and codes of practice.
 - 4.2 Clean, check, maintain and store tools and equipment in accordance with manufacturers' recommendations.

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and equivalent to CPCCWP2004A Prepare surfaces for waterproofing application.

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>

Assessment Requirements for CPCCWP2004 Prepare surfaces for waterproofing application

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Performance Evidence

To demonstrate competency, a candidate must satisfy all of the elements, performance criteria and foundation skills of this unit by preparing the wall and floor surfaces for each of:

- a minimum of four square metres of internal wet area
- a minimum of four square metres of external wet area
- a minimum four square metres of below ground level wet area
- a remedial waterproofing project.

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 preparing surfaces for waterproofing application
- construction systems and waterproofing considerations and requirements
- safety requirements for preparing surfaces for waterproofing application, 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)
- types and uses of plans, drawings and specifications for waterproofing application

- types and uses of tools and equipment for preparing for waterproofing application
- surfaces suitable for waterproofing application techniques
- contaminants in waterproofing processes
- levels and falls for waterproofing applications
- characteristics, compatibility and applications of waterproofing materials and adhesives
- characteristics of waterproofing preparation materials:
 - durability
 - compatibility
 - applications
 - protection requirements
- types and preparation requirements of different porous and non-porous substrates:
 - timber
 - concrete
 - masonry
 - composite boards
 - fibre cement
 - packed earth
 - metals
 - plastics.

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

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