



Australian Government

CPCCFWF3009 Apply waterproofing for wall and floor tiling

Release: 2

CPCCWF3009 Apply waterproofing for wall and floor tiling

Modification History

- Release 2 Updated reference to general construction induction training program.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
- New unit.

Application

This unit specifies the skills and knowledge required to apply waterproofing to internal and external wet areas ready for tiling.

It includes identification of the appropriate waterproofing system to be used, its preparation and application.

A person working at this level would be expected to take responsibility for organising and completing tasks assigned to them without close supervision.

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

Wall and floor tiling

Elements and Performance Criteria

Elements describe the essential outcomes.

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

- | | |
|---|--|
| 1 Plan and prepare to apply waterproofing | 1.1 Read and interpret task work instructions and plan sequence of work. |
|---|--|

- | | | |
|---|-----|---|
| for wall and floor tiling. | 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 | Inspect work site, assess hazards and apply risk controls, including required signage and barricades. |
| | 1.5 | Select tools and equipment, check for serviceability and report any faults. |
| | 1.6 | Select materials required for task, calculate quantities, handle safely and prepare and position ready for use. |
| | | |
| 2 Prepare for internal and external waterproofing installation. | 2.1 | Check wet area outlets and fixtures are set out to drawings and specifications. |
| | 2.2 | Select waterproofing systems suitable for internal and external wet area applications. |
| | 2.3 | Check waterproof system for compatibility with substrate material and tiling system. |
| | 2.4 | Check that substrates have smooth and uniform finishes with specified fall ratio to drainage points. |
| | 2.5 | Check substrate moisture content to comply with manufacturers' membrane recommendations. |
| 3 Apply waterproofing. | 3.1 | Prepare and prime substrates for waterproofing. |
| | 3.2 | Install bond breakers/fillets, water stops and drainage flanges. |
| | 3.3 | Apply waterproofing membrane to primed surface at correct thickness and allow to cure to manufacturers' specification. |
| | 3.4 | Perform final inspection and completion activities. |
| | 3.5 | Protect waterproofing membrane. |

- 4 Clean up.
 - 4.1 Clear work area and dispose of, reuse or recycle materials.
 - 4.2 Clean, check, maintain and store plant, 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

No equivalent unit

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 CPCCWF3009 Apply waterproofing for wall and floor tiling

Modification History

- Release 2 Updated reference to general construction induction training program.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
- New unit.

Performance Evidence

To demonstrate competency, a candidate must satisfy all of the elements, performance criteria and foundation skills of this unit by waterproofing an internal wet area and an external wet area ready for tiling, including:

- one shower area 1800 millimetres high, 900 millimetres x 900 millimetres wide, incorporating:
 - a niche
 - tap penetrations
 - draining connection
 - water stop/hob
- surrounds for an inserted bath with periphery barrier or water stop
 - a minimum of four square metres of 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.

All work must be performed to the standard required in the workplace and must comply with Commonwealth and state/territory 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 setting out and applying waterproofing systems for wall and floor tiling to internal and external wet areas
- types and uses of tools and equipment for applying waterproofing for wall and floor tiling

- safety requirements Standards for setting out and applying waterproofing systems for wall and floor tiling to internal and 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
 - personal protective equipment (PPE)
- techniques and methods for waterproofing for wall and floor tiling
- assessment and appreciation of moisture content in substrate materials
- manufacturers' specifications for compatible substrates, waterproofing systems, tiles and tile adhesives
- characteristics and applications of:
 - adhesives
 - liquid applied:
 - water-based
 - cementitious
 - moisture-cured
 - sheet membranes:
 - butynol
 - ethylene propylene diene monomer rubber (EPDM)
 - ethylene vinyl acetate (EVA)
 - expanded polystyrene (XPS)
 - primer:
 - water based
 - epoxy
 - bond breaker/fillet materials
- construction systems and waterproofing considerations
- penetrations and outlets, and termination and flashing principles
- types and uses of materials storage and environmentally friendly waste management
- types and uses of plans, drawings and specifications for waterproofing internal and external wet areas
- requirements for different types of internal and external wet areas:
 - showers
 - laundries
 - toilets
 - bathrooms
 - balconies
- principles and considerations of water exclusion and processes for inspection and completion activities
- processes for the calculation of material requirements for applying waterproofing for wall and floor tiling
- compatible substrate and materials for waterproofing 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>