



Australian Government

CPCCCO2013 Carry out concreting to simple forms

Release: 1

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Modification History

Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.

Supersedes and is equivalent to CPCCCO2013A Carry out concreting to simple forms. Updated to meet the Standards for Training Packages.

Application

This unit of competency specifies the skills and knowledge required to safely install formwork, reinforcement and place and finish concrete for the construction of minor slabs, pathways and other minor works to a specified design finish, meeting all relevant requirements of the National Construction Code (NCC), 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 work tasks under the direction of more experienced workers.

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 *CPCCWHS1001 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

Concreting

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.

1.1 Read and interpret work instructions and plan sequence of work.

- 1.2 Plan all work to comply with laws and regulations, the National Construction Code (NCC), Australian Standards, work health and safety (WHS) and environmental requirements, manufacturers' specifications, workplace requirements, drawings and specifications.
 - 1.3 Select tools and equipment, check for serviceability and report any faults.
 - 1.4 Select and use personal protective equipment (PPE) for each part of the task.
 - 1.5 Inspect work site, locate services, assess hazards and apply risk controls, including required signage and barricades.
 - 1.6 Select materials required for task, calculate quantities, handle safely and prepare and position ready for use.
- 2 Erect simple formwork.
- 2.1 Prepare substrate.
 - 2.2 Review formwork design from drawings.
 - 2.3 Erect formwork.
 - 2.4 Install vapour barrier.
- 3 Place and tie reinforcement.
- 3.1 Handle, cut and position reinforcing components.
 - 3.2 Position reinforcing bars and mesh.
 - 3.3 Position bar chairs and spacers with minimum edge cover.
- 4 Place concrete.
- 4.1 Clean formwork or excavation of excess material and debris before concrete placement.
 - 4.2 Transport concrete by wheelbarrow.
 - 4.3 Place concrete in formwork to specified depth.
 - 4.4 Screed concrete to the alignment of formwork and specified datums.

- 4.5 Finish surface of concrete to specifications.
- 5 Strip simple formwork.
 - 5.1 Denail timber components following stripping of formwork.
 - 5.2 Clean and stack components and store for reuse or bundle for removal.
 - 5.3 Remove formwork components from site.
- 6 Clean up.
 - 6.1 Clean up, meeting all legislative and workplace requirements for safety, waste disposal, materials handling and protection of the environment.
 - 6.2 Check, maintain and store tools and equipment and report any faults.

Foundation Skills

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

Unit Mapping Information

Supersedes and is equivalent to CPCCCO2013A Carry out concreting to simple forms.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>