



Australian Government

CPCCCO3041 Place concrete

Release: 1

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Modification History

Release 1.

Supersedes and equivalent to CPCCCO3041A Place concrete.

The unit of competency was updated to the Standards for Training Packages 2012.

This version first released with CPC Construction, Plumbing and Services Training Package Version 4.0.

Application

This unit of competency specifies the skills and knowledge required to place concrete into prepared formwork or foundations to establish a strong base for further building work.

It includes:

- calculating the required volume of concrete
- moving concrete from truck to pour location
- placing and screeding concrete on residential, commercial or civil construction sites.

It applies to concreters and other construction workers working as members of a team with at least a moderate degree of autonomy. They would be expected to complete routine activities without close supervision.

Licensing, legislative, regulatory or certification requirements apply to this unit of competency in all states and territories except Tasmania. Relevant state and territory regulatory authorities should be consulted to confirm these requirements.

Pre-requisite Unit

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

Unit Sector

Construction

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 place concrete.	1.1 Review and clarify task to place concrete. 1.2 Assess work site to determine scope of work. 1.3 Review task specifications and check to make sure they are in

	<p>accordance with legislation, regulations and codes of practice.</p> <p>1.4 Review work health and safety (WHS) requirements for the task in accordance with safety plans and policies.</p> <p>1.5 Identify safety signage and barricade requirements.</p> <p>1.6 Review environmental requirements for the task in accordance with environmental plans and legislative requirements.</p> <p>1.7 Select plant, tools and equipment, check for serviceability and rectify or report any faults.</p> <p>1.8 Calculate material quantity requirements, including the volume of concrete.</p> <p>1.9 Estimate the time required for concrete pour based on size of area to be concreted, volume of concrete required and level of complexity of concrete pour.</p>
<p>2. Prepare location for concrete placement.</p>	<p>2.1 Erect identified safety signage and barricades to maintain a safe working area around pour location and fit personal protective equipment (PPE).</p> <p>2.2 Determine location for concrete placement from task specifications.</p> <p>2.3 Discuss implications for concrete placement near existing structures with relevant personnel and define separation or connection requirements.</p> <p>2.4 Check that location for placement is free of debris and waste.</p> <p>2.5 Ensure site access is clear.</p>
<p>3. Receive concrete.</p>	<p>3.1 Check delivery advice for accuracy against order.</p> <p>3.2 Direct concrete delivery vehicle to location of discharge.</p> <p>3.3 Monitor concrete discharged via chute into appropriate receptacle.</p>
<p>4. Place concrete.</p>	<p>4.1 Place concrete in horizontal layers into location in accordance with indicated levels.</p> <p>4.2 Ensure vertical drop of concrete is less than two metres to avoid segregation of concrete materials.</p> <p>4.3 Consolidate poured concrete during process using approved compaction or vibration method.</p> <p>4.4 Carry out measurements and calculations throughout the pour to ensure sufficient concrete is delivered to fill required area, and place orders for any shortfall as required.</p> <p>4.5 Check finished levels against datum using levelling device, and rectify incorrect levels.</p>

	4.6 Screed concrete to required levels and grades.
5. Clean up after placing concrete.	<p>5.1 Clear work area and dispose of, re-use or recycle materials in accordance with legislation, regulations, codes of practice and task requirements.</p> <p>5.2 Clean, check, maintain and store plant, tools and equipment in accordance with manufacturers' specifications and workplace requirements.</p>

Foundation Skills

This section describes the language, literacy, numeracy and employment skills essential to performance in this unit but not explicit in the performance criteria.

The following language, literacy, numeracy and employment skills essential to performance are not explicit in the performance criteria:

- writing skills to:
 - record planning details
- oral communication skills to:
 - use questioning to identify and confirm requirements
 - discuss cause of problems
 - report work site hazards, including faults in tools, equipment and materials
 - provide feedback.

Unit Mapping Information

Supersedes and is equivalent to CPCCCO3041A Place concrete.

Links

Companion volumes to this training package are available at the VETNet website - <https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>