

Unit of Competency CPCCCA3028 Erect and dismantle formwork for footings and slabs on ground

Application

This unit of competency specifies the skills and knowledge required to erect and dismantle formwork for slabs on ground, rebates to slabs on ground, and steps to strip footings, 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 includes:

- establishing required levels on site and constructing formwork using boxing materials, including timber, metal, masonry, fibre cement sheeting or reconstituted timber products, and fixings to contain wet poured concrete until it is completely cured
- stripping the formwork and preparing and storing it for re-use.

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.

Prerequisite Unit

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

Elements and Performance Criteria

1. Plan and prepare.	<div>1.1 Read and interpret work instructions and plan sequence of work.</div> <div>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.</div> <div>1.3 Select tools and equipment, check for serviceability and report any faults.</div> <div>1.4 Select and use personal protective equipment (PPE) for each part of the task.</div> <div>1.5 Inspect work site, locate services, assess hazards and apply risk controls, including required signage and barricades.</div> <div>1.6 Select materials required for task, calculate quantities, handle safely and prepare and position ready for use.</div>
2. Erect formwork.	<div>2.1 Clear work area and prepare surface for safe erection of formwork.</div> <div>2.2 Measure, set out and level formwork.</div> <div>2.3 Apply fixing and fasteners to ensure stable formwork construction.</div> <div>2.4 Construct and erect edge rebate.</div> <div>2.5 Check and brace formwork for accuracy of square and dimension.</div>

	2.6	Install block-outs and cast-in services to specified locations.
	2.7	Apply release agent to formwork face following manufacturers' specifications.
3. Strip formwork and prepare for reuse.	3.1	Strip edge boxing and bracing support sequentially and safely.
	3.2	Check formwork for re-usability and dispose of damaged components to meet safety and environmental requirements.
	3.3	Safely de-nail, clean, oil and store or stack reusable formwork components.
4. Clean up.	4.1	Clean up, meeting all legislative and workplace requirements for safety, waste disposal and materials handling.
	4.2	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 non-equivalent to CPCCCA2003 Erect and dismantle formwork for footings and slabs on the ground.

Links

Companion Volume Implementation Guide:

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

Assessment Requirements for CPCCCA3028 Erect and dismantle formwork for footings and slabs on ground

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by erecting and dismantling formwork for one slab on ground with:

- a minimum area of 30 square metres
- a minimum thickness of 100 millimetres
- an edge rebate and an internal corner.

Knowledge Evidence

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

- compliance requirements of the National Construction Code and Australian Standards relevant to erecting and dismantling formwork for footings and slabs on ground
- workplace quality policies and standards relating to formwork
- safety requirements for erecting and dismantling formwork for footings and slabs on ground
- environmental requirements for erecting and dismantling formwork for footings and slabs on ground
- types and uses of tools and equipment for erecting and dismantling formwork for footings and slabs on ground
- types, characteristics and applications of formwork materials
- formwork techniques
- types of plans, specifications and drawings relating to formwork
- symbols and notations used on plans, specifications and drawings for formwork
- processes for measuring and setting out formwork
- processes for calculating material requirements for erecting formwork for footings and slabs on ground
- requirements for line, level and plumb for erecting formwork for footings and slabs on ground.

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 and standards, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

Links

Companion Volume Implementation Guide:

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