



Australian Government

CPCCCO2021 Handle concreting materials

Release: 1

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Modification History

Release 1.

Supersedes and equivalent to CPCCCO2021A Handle concreting materials. 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 safely manually-handle and store concreting materials and components in preparation for concreting work.

The unit supports preparing concrete materials and components for work on residential, commercial and industrial construction sites, including multi-storey sites with designated storage areas for concreting materials and components.

It includes:

- applying environmental management principles
- identifying and safely handling hazardous materials and waste in accordance with safety data sheets (SDSs).

It applies to specialist concreters working as members of a team.

Licensing, legislative, regulatory or certification requirements apply to this unit of competency in some states. 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 handle	1.1 Review and clarify task to handle concreting materials. 1.2 Review work health and safety (WHS) requirements for the

concreting materials.	task, including SDSs, in accordance with safety plans and policies. 1.3 Review environmental requirements for the task in accordance with environmental plans and legislative requirements. 1.4 Identify safety signage and barricade requirements. 1.5 Select tools and equipment, check for serviceability and rectify or report any faults.
2. Handle and sort concrete materials and components.	2.1 Erect identified safety signage and barricades and fit personal protective equipment (PPE). 2.2 On delivery to site, check concrete materials and components for conformity to material schedule, plans and specifications. 2.3 Move concrete materials and components to specified location applying safe handling procedures. 2.4 Stack or stockpile concrete materials and components in accordance with job location and task sequence to facilitate identification and retrieval. 2.5 Store concrete materials and components clear of access ways and protect against damage. 2.6 Handle and position components ready for installation in accordance with manufacturers' specifications, plans and task specifications.
3. Handle and remove concrete materials and components on completion of task.	3.1 Identify hazardous material and apply waste management procedures from SDSs and requirements of statutory and regulatory authorities. 3.2 Remove non-toxic materials using correct procedures. 3.3 Use dust suppression procedures to minimise health risk to work personnel and others.
4. Clean up after handling concreting materials.	4.1 Clear work area and dispose of, re-use or recycle materials in accordance with legislation, regulations, codes of practice and task requirements. 4.2 Clean, check, maintain and store tools and equipment in accordance with manufacturers' specifications and workplace requirements.

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.

- numeracy skills to:

- check quantities of materials.
- 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.

Unit Mapping Information

Supersedes and is equivalent to CPCCCO2021A Handle concreting materials.

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 CPCCCO2021 Handle concreting materials

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Performance Evidence

To demonstrate competency in this unit, a person must handle concreting materials for tasks at three different concrete placement sites.

In doing this, the person must meet the performance criteria for this unit.

Knowledge Evidence

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

- jurisdictional work health and safety (WHS) and environmental legislation and regulations relating to handling concreting materials, including:
 - job safety analyses (JSAs)
 - safe work method statements (SWMSs)
 - safety data sheets (SDSs)
 - safety manuals and instructions for plant, tools and equipment
 - signage and barricades
 - personal protective equipment (PPE)
 - environmental and work site safety plans
- requirements of Australian Standards and the National Construction Code (NCC) relating to handling concreting materials
- workplace requirements for all aspects of concrete handling, including interpreting work orders and reporting problems
- common industry hazard identification and risk controls for handling concreting materials, including safe handling of materials and machinery
- types, characteristics, uses and limitations of tools and equipment required to handle concreting materials and components
- concrete materials, including:
 - aggregates
 - cement
 - form release agents
 - non-toxic materials, including general concreting materials

- sand
- water
- additives
- curing compound
- oxides
- concrete components, including:
 - bar chairs
 - bracing
 - plastic membrane
 - reinforcement mesh
 - spacers
 - steel and timber formwork
 - bar steel
 - decking
 - key joints
 - push-pull props
 - reinforcement bars
 - support props
- environmental management principles that apply to handling concreting materials
- manual handling techniques for concrete materials
- procedures for safely handling and storing materials, and disposing of hazardous materials and waste.

Assessment Conditions

Assessors must satisfy the requirements for assessors contained in the Standards for Registered Training Organisations.

Assessment of performance must be undertaken in the workplace or in a simulated workplace environment. Tasks are to be performed to the level of proficiency and within the time limits expected in a workplace.

Assessors are responsible for ensuring that the person demonstrating competency has access to:

- work sites and specifications to handle concreting materials
- appropriate documents, materials, tools, equipment and PPE currently used in industry
- requirements of appropriate sections of legislation and regulations
- relevant workplace policies and procedures.

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