



Australian Government

CPCCON2021 Handle concreting materials and components

Release: 2

CPCCON2021 Handle concreting materials and components

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
- Supersedes and is equivalent to CPCCCO2021 Handle concreting materials.

Application

This unit of competency specifies the skills and knowledge required to safely handle concreting materials and components in preparation for concreting work. It includes checking materials and components for conformity to schedules, plans and specifications, and using manual-handling techniques to sort and stack materials and components for work. It requires identifying and safely handling hazardous materials and waste in accordance with safety data sheets (SDS) and cleaning up on completion of work tasks.

The unit is suitable for those with basic skills and knowledge undertaking routine work tasks under the direction of more experienced workers.

Licensing, legislative, regulatory or certification requirements apply to this unit of competency in some states and territories. For further information, check with the relevant regulatory authority.

Completion of the general construction induction training program, specified in the Safe Work Australia model *Code of Practice: Construction Work*, is required by anyone carrying out construction work. Achievement of *CPCWHS1001 Prepare to work safely in the construction industry* meets this requirement.

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 for work. | <ul style="list-style-type: none">1.1 Read work instructions and clarify requirements for handling concreting materials and components with relevant persons.1.2 Plan work tasks to comply with relevant legislation and regulations, and manufacturer, work health and safety (WHS), environmental and workplace requirements.1.3 Select and fit required personal protective equipment (PPE).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 rectify or report any faults. |
| 2 Identify, move and stack concreting materials and components. | <ul style="list-style-type: none">2.1 Check types and quantities of materials and components against material schedule, plans and specifications and report problems.2.2 Identify handling characteristics of concreting materials from SDS and regulatory requirements.2.3 Use safe and effective manual-handling techniques to move concreting materials and components to specified location.2.4 Stack concreting materials and components to facilitate identification and retrieval and clear of access ways to protect against damage.2.5 Position concreting components ready for installation in accordance with plans, work instructions and manufacturer requirements. |
| 3 Remove concreting materials and components on completion of task. | <ul style="list-style-type: none">3.1 Identify hazardous concreting materials and apply waste management procedures in accordance with relevant SDS and regulatory requirements.3.2 Remove surplus concreting materials and components using safe manual-handling techniques.3.3 Use dust suppression procedures to minimise health risk to people in the work environment. |

- 4 Clean up.
 - 4.1 Clear work area and dispose of, reuse or recycle materials in accordance with regulatory and workplace requirements.
 - 4.2 Clean, check, maintain and store tools and equipment in accordance with manufacturer and workplace requirements.

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 CPCCCO2021 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 CPCCON2021 Handle concreting materials and components

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 Supersedes and is equivalent to CPCCCO2021 Handle concreting materials.

Performance Evidence

To demonstrate competency, a candidate must meet the elements and performance criteria of this unit by handling concreting materials and components in preparation for concreting tasks at three different placement sites.

Knowledge Evidence

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

- compliance requirements of legislation and regulations relevant to concreting material and component handling tasks:
 - environmental protection and waste disposal
 - work health and safety (WHS):
 - hazard identification and risk control
 - personal protective equipment (PPE)
 - safe manual handling techniques
 - safety data sheets (SDS) and hazardous materials handling
 - safety manuals and instructions for tools and equipment used to handle materials and components
 - safe work method statements
 - signage and barricades
- health risks associated with silica dust exposure
- tools and equipment used when handling concreting materials and components
- types and purpose of components used in concreting:
 - bar chairs
 - bar steel
 - bracing
 - decking

- key joints
- plastic membrane
- push-pull props
- reinforcement bars
- reinforcement mesh
- spacers
- steel and timber formwork
- support props
- waffle pods
- types and purpose of materials used in concreting:
 - additives
 - aggregates
 - cement
 - curing compounds
 - form release agents
 - general non-toxic concreting materials
 - oxides
 - sand
 - water
- workplace requirements for handling concreting materials and components:
 - cleaning up the work area
 - maintaining and storing tools, equipment, materials and components
 - reporting problems
 - safety requirements.

Assessment Conditions

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

Assessment must be conducted in the workplace or a simulated workplace using realistic conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

Candidates must have access to documentation, instructions, concreting materials and components, tools and equipment required to achieve the performance evidence.

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>