

Draft 0.1

This is our work-in-progress update to CPCCCO3042 Finish concrete:

<https://training.gov.au/Training/Details/CPCCCO3042>.

We are working with industry experts to ensure the updated unit:

- meets current and anticipated industry needs
- complies with current Standards for Training Packages
- is written in clear understandable English.

Information on our training package review and development process is available here:

<http://www.artibus.com.au/project-stage>.

Summary of changes from current endorsed unit:

- code changed to comply with policy for NSSC endorsement required changes to units
- PCs in element 1 modified:
 - 1.1 Interpret specifications for concrete finishing and clarify requirements with relevant persons (makes reading and communication requirements explicit)
 - 1.2 Plan all work to comply with ... rolls legislative and regulatory requirements into one PC (including WHS and environmental requirements)
 - new PC on hazard assessment and risk control
- PC2.5 “control joints” changed to “jointing system” as not all joints are control joints
- knowledge simplified to remove duplication and add specificity, eg:
 - all safety and environmental requirements under WHS and environmental legislation and regulations
 - ‘workplace requirements for finishing concrete, cleaning up, maintaining and storing plant, tools and equipment and reporting problems’
- deleted knowledge point ‘quality requirements and techniques that will result in the required concrete finish’ as it’s broad and difficult to assess – quality covered under standards/NCC and workplace requirements
- deleted sub-points listing specific tools
- included new knowledge points to cover off PCs 2.3 and 2.5:
 - methods for assessing the strength of setting concrete using the basic thumb test
 - purpose of construction, contraction, control and expansion joints and methods for their installation
- assessment conditions: standard wording changed and modified requirement for candidates

Unit of Competency

CPCCON3042 Finish concrete

Modification history

Release	Comments
1	Supersedes and equivalent to CPCCCO3042A Finish 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.
2	Supersedes and equivalent to CPCCCO3042 Finish concrete. This version first released with CPC Construction, Plumbing and Services Training Package Version 6.0.

Application

This unit of competency specifies the skills and knowledge required to finish placed and screeded concrete surfaces to specification. It requires using manual and mechanical finishing techniques including edge finishing.

A person who has achieved this unit of competency would be expected to take responsibility for organising and completing these tasks with a high degree of self-direction.

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.

Prerequisite Unit

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

Unit Sector

Concreting

Elements and Performance Criteria

1. Plan and prepare to finish concrete.	1.1 Interpret specifications for concrete finishing and clarify requirements with relevant persons. 1.2 Plan all work to comply with relevant legislation, regulations, standards, codes, work health and safety, environmental and workplace requirements. 1.3 Select and fit personal protective equipment appropriate for work activities. 1.4 Inspect work site, assess hazards and apply risk controls, including required signage and barricades. 1.5 Select plant, tools and equipment, check for serviceability and rectify or report any faults.
2. Apply concrete finishing techniques.	2.1 Leave concrete untouched until bleed water has come to the surface and evaporated. 2.2 Assess concrete surface during curing process and maintain level surface to allow manual and mechanical trowelling to be applied. 2.3 Assess strength of setting concrete using basic thumb test to ensure weight of mechanical trowel and operator can be accommodated.

	2.4 Apply mechanical trowelling in multiple overlapping lines to consolidate and densify the setting concrete surface. 2.5 Install jointing system, finish edges, and trowel concrete to specifications. 2.6 Finish concrete and check compliance with specifications and workplace requirements.
3. Clean up.	3.1 Clear work area and dispose of, reuse or recycle materials in accordance with regulatory and workplace requirements. 3.2 Clean, check, maintain and store tools and equipment in accordance with manufacturers' instructions 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 CPCCCO3042 Finish concrete

Links

Companion Volume Implementation Guide:

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

Assessment Requirements for CPCCON3042 Finish concrete

Modification history

Release	Comments
1	Supersedes and equivalent to CPCCCO3042A Finish 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.
2	Supersedes and equivalent to CPCCCO3042 Finish concrete. This version first released with CPC Construction, Plumbing and Services Training Package Version 6.0.

Performance Evidence

To demonstrate competency, a candidate must meet the elements and performance criteria of this unit by finishing five different concrete surfaces, each surface measuring at least 100 square metres. Finishing techniques must include textured or non-slip and one other technique selected from the list below:

- edging and jointing system
- steel trowel.

Knowledge Evidence

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

- concrete finishing techniques:
 - edging and jointing systems
 - steel trowel
 - textured or non-slip
- methods for assessing the strength of setting concrete using the basic thumb test
- purpose of construction, contraction, control and expansion joints and methods for their installation
- properties of concrete to be able to correctly identify when finishing techniques should be applied to minimise waste, delay and faults in finished concrete
- requirements of Australian Standards and the National Construction Code related to concrete finishing
- requirements of Commonwealth and state or territory work health and safety and environmental legislation and regulations relevant to concrete finishing:
 - hazard identification and risk control
 - hazardous material and waste disposal
 - job safety analyses
 - personal protective equipment
 - safe work method statements
 - safety manuals and instructions for plant, tools and equipment
 - signage and barricades
- types, characteristics, uses and limitations of plant, tools, equipment and materials used to finish concrete
- types of drawings and specifications used to interpret concrete finishing requirements
- workplace requirements for finishing concrete:
 - cleaning up

- maintaining and storing plant, tools and equipment
- reporting problems
- quality.

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, specifications, concrete surfaces, plant, tools and equipment required to achieve the performance evidence.

Links

Companion Volume Implementation Guide:

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