

Draft 0.1

This is our work-in-progress update to CPCCCO3055 Install topping slabs:
<https://training.gov.au/Training/Details/CPCCCO3055>.

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
- application modified
- performance criteria modified to clarify requirements
- knowledge rationalised to clarify requirements and remove duplication
- new knowledge points:
 - processes for installing bonded and unbonded topping slabs
 - processes for placing, finishing and curing concrete
- assessment conditions: standard wording changed and modified requirement for candidates

Unit of Competency

CPCCON3055 Install topping slabs

Modification history

Release	Comments
1	Supersedes and equivalent to CPCCCO3055A Install topping slabs. 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 CPCCCO3055 Install topping slabs. 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 install bonded and unbonded topping slabs to existing concrete. It includes grinding and scabbling preparation techniques.

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 install topping slab.	<ul style="list-style-type: none">1.1 Interpret specifications for topping slab installation 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.1.6 Calculate material quantities to meet work specifications.1.7 Acquire required materials and safely locate them ready for use.
2. Prepare concrete for topping slab.	<ul style="list-style-type: none">2.1 Consult with relevant persons to determine need for concrete reinforcement and install required reinforcement in accordance with specifications.2.2 Select and check equipment required to prepare concrete for topping slab.2.3 Scarify existing concrete using appropriate preparation techniques in accordance with specifications.

	2.4 Clear loose particles and debris from surface to be topped. 2.5 Check existing joints in substrate to ensure they are carried through and reflected in proposed topping.
3. Pour topping slab.	3.1 Prepare existing concrete surface for topping slab with bonded topping or separation material in accordance with specifications. 3.2 Pour topping slab onto existing concrete surface and screed to specifications.
4. Cure and seal topping slab.	4.1 Use setting and apply curing agents and techniques to topping slab in accordance with specifications. 4.2 Maintain curing and sealing for period stated in specifications.
5. Clean up.	5.1 Clear work area and dispose of, reuse or recycle materials in accordance with regulatory and workplace requirements. 5.2 Clean, check, maintain and store plant, 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 CPCCCO3055 Install topping slabs

Links

Companion Volume Implementation Guide:

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

Assessment Requirements for CPCCON3055 Install topping slabs

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Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by installing:

- bonded topping slabs to two concrete slabs, each measuring at least 10 square metres
- unbonded topping slabs to two concrete slabs, each measuring at least 10 square metres.

Knowledge Evidence

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

- concrete resurfacing materials and techniques:
 - curing duration and effect on ultimate strength
 - role of abrasive blasting when installing bonded topping slabs
 - properties of concrete to be able to minimise waste, delay and faults in installed topping slabs
- processes for installing bonded and unbonded topping slabs
- processes for placing, finishing and curing concrete
- requirements of Australian Standards and the National Construction Code relating to topping slab installations
- requirements of Commonwealth and state or territory work health and safety and environmental legislation and regulations relevant to installing topping slabs:
 - 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 and applications of concrete materials used when installing topping slabs
- types, characteristics, uses and limitations of plant, tools, equipment and materials used when installing topping slabs
- workplace requirements for installing topping slabs:
 - cleaning up
 - maintaining and storing materials, plant, tools and equipment
 - quality
 - reporting problems.

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, work sites, materials, plant, tools and equipment required to achieve the performance evidence.

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