



Australian Government

CPCCCO3055 Install topping slabs

Release: 1

CPCCCO3055 Install topping slabs

Modification History

Release 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.

Application

This unit of competency specifies the skills and knowledge required to install bonded and unbonded topping slabs to existing concrete on residential, commercial or civil construction sites.

It includes grinding and scabbling preparation techniques.

It applies to concreters working as members of a team with at least a moderate degree of autonomy. They would be expected to complete routine activities without close supervision.

Licensing, legislative, regulatory or certification requirements apply to this unit of competency in all states and territories except Tasmania. 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 install topping slab.	1.1 Review and clarify task to install topping slab. 1.2 Review task specifications and check to make sure they are in accordance with legislation, regulations and codes of practice. 1.3 Review work health and safety (WHS) requirements for the task in accordance with safety plans and policies. 1.4 Identify safety signage and barricade requirements.

	1.5 Review environmental requirements for the task in accordance with environmental plans and legislative requirements. 1.6 Select plant, tools and equipment, check for serviceability and rectify or report any faults. 1.7 Calculate material quantity requirements. 1.8 Acquire materials for the task and locate them safely ready for use.
2. Prepare concrete for topping slab.	2.1 Erect identified safety signage and barricades, and fit personal protective equipment (PPE). 2.2 Determine need for concrete reinforcement through consultation with relevant personnel and install reinforcement in accordance with specifications. 2.3 Select and check preparation equipment for this process. 2.4 Scarify existing concrete using appropriate preparation techniques in accordance with specifications. 2.5 Clear surface loose particles and debris from surface to be topped. 2.6 Check existing control 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 curing techniques to topping slab in accordance with specifications. 4.2 Maintain curing and sealing for period stated in specifications
5. Clean up after installing topping slab.	5.1 Clear work area and dispose of, re-use or recycle materials in accordance with legislation, regulations, codes of practice and task requirements. 5.2 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.

- 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
 - provide feedback.

Unit Mapping Information

Supersedes and is equivalent to CPCCCO3055A Install topping slabs.

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 CPCCCO3055 Install topping slabs

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Performance Evidence

To demonstrate competency in this unit, a person must:

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

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 installing topping slabs, 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 installing topping slabs
- workplace requirements for all aspects of installing topping slabs, including interpreting work orders and reporting problems
- types, characteristics, uses and limitations of tools, equipment and materials required for installing topping slabs, including:
 - safe operating procedures
 - operational, maintenance and basic diagnostic procedures
 - workplace and equipment safety requirements
- techniques for installing topping slabs
- quality requirements relevant to installing topping slabs

- processes, materials and equipment for installing topping slabs
- types and applications of concrete materials used when installing topping slabs
- concrete resurfacing materials and techniques, including:
 - 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 installing topping slabs
- requirements for cleaning up work area and tools, materials storage and environmentally friendly waste management.

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 for installing bonded topping slabs
- 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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