



**Australian Government**

# **CPCCON3055 Install topping slabs**

**Release: 3**

# CPCCON3055 Install topping slabs

## Modification History

- Release 3 Updated reference to general construction induction training program.
- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.  
Performance Evidence and Knowledge Evidence corrected.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.  
Supersedes and is equivalent to CPCCCO3055 Install topping slabs.

## 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.

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            Performance criteria describe what needs to be done to

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| essential outcomes.                         | demonstrate achievement of the element.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 1 Plan and prepare to install topping slab. | <ul style="list-style-type: none"><li>1.1 Interpret specifications for topping slab installation and clarify requirements with relevant persons.</li><li>1.2 Plan work tasks to comply with relevant legislation, regulations, standards, codes, work health and safety (WHS), environmental and workplace requirements.</li><li>1.3 Select and fit required personal protective equipment (PPE).</li><li>1.4 Inspect work site, assess hazards and apply risk controls, including required signage and barricades.</li><li>1.5 Select plant, tools and equipment, check for serviceability and rectify or report any faults.</li><li>1.6 Calculate and acquire material quantities to meet task specifications and safely locate materials ready for use.</li></ul> |
| 2 Prepare concrete for topping slab.        | <ul style="list-style-type: none"><li>2.1 Consult with relevant persons to determine need for concrete reinforcement and install any required reinforcement in accordance with specifications.</li><li>2.2 Select and check equipment required to prepare concrete for topping slab.</li><li>2.3 Scarify existing concrete using appropriate preparation techniques in accordance with specifications.</li><li>2.4 Clear loose particles and debris from surface to be topped.</li><li>2.5 Check existing joints in substrate to ensure they are carried through and reflected in proposed topping.</li></ul>                                                                                                                                                        |
| 3 Pour topping slab.                        | <ul style="list-style-type: none"><li>3.1 Prepare existing concrete surface for topping slab with bonded topping or separation material in accordance with specifications.</li><li>3.2 Pour topping slab onto existing concrete surface and screed to specifications.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

- |                               |     |                                                                                                                         |
|-------------------------------|-----|-------------------------------------------------------------------------------------------------------------------------|
| 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 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 CPCCCO3055 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 CPCCON3055 Install topping slabs

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## Performance Evidence

To demonstrate competency, a candidate must meet the elements and 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:

- compliance requirements of legislation, regulations and Australian Standards relevant to topping slab installation:
  - environmental protection and waste disposal
  - material specifications and tolerances
  - work health and safety (WHS)
- 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
- health risks associated with silica dust exposure
- processes for installing bonded and unbonded topping slabs
- types and applications of concrete materials used when installing topping slabs
- types, characteristics, uses and limitations of plant, tools and equipment used when installing topping slabs
- workplace requirements for installing topping slabs:

- cleaning up the work area
- maintaining and storing materials, plant, tools and equipment
- quality
- reporting problems
- safety requirements including personal protective equipment (PPE).

## **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.

## **Links**

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