



Australian Government

CPCCON3046 Repair and rectify concrete

Release: 1

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Modification History

Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
Supersedes and is equivalent to CPCCCO3046 Repair and rectify concrete.

Application

This unit of competency specifies the skills and knowledge required to repair and rectify defects in concrete. Repairs and rectifications include patching, refinishing, sealing or recolouring to improve aesthetic appearance, as well as more significant repairs and rectifications such as cutting and replacing sections of concrete and repairing cracks in accordance with engineer or manufacturer specifications.

The unit does not cover structural defects requiring underpinning concrete or specialist works involving highly engineered solutions.

A person who has achieved this unit of competency would be expected to take responsibility for organising and completing work 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 *CPCCWHS1001 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 to repair or rectify concrete.
 - 1.1 Assess concrete defect to determine possible causes and repair or rectification processes in consultation with relevant persons.
 - 1.2 Access and interpret manufacturer or engineer specifications associated with concrete repair or rectification work.
 - 1.3 Plan work tasks to comply with manufacturer or engineer specifications and relevant legislation, regulations, standards, codes, work health and safety (WHS), environmental and workplace requirements.
 - 1.4 Select tools and equipment, check for serviceability and rectify or report any faults.
 - 1.5 Select and fit required personal protective equipment (PPE).
 - 1.6 Inspect work site, assess hazards and apply risk controls including required signage and barricades.
 - 1.7 Calculate and acquire material quantities to meet task specifications and safely locate materials ready for use.
- 2 Carry out concrete repair or rectification activities.
 - 2.1 Use tools, equipment and materials for concrete repair or rectification activities safely in accordance with manufacturer and workplace requirements.
 - 2.2 Carry out concrete repair or rectification activities in accordance with engineer or manufacturer specifications and workplace requirements.
 - 2.3 Conduct checks to ensure concrete defect has been repaired or rectified and take actions required to meet engineer or manufacturer 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 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 CPCCCO3046 Repair and rectify concrete.

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>