



Australian Government

CPCCON3053 Slump-test concrete

Release: 2

CPCCON3053 Slump-test concrete

Modification History

Release 2	Updated reference to general construction induction training program.
Release 1	This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0. Supersedes and is equivalent to CPCCCO3053 Slump test concrete.

Application

This unit of competency specifies the skills and knowledge required to slump-test concrete to ensure that the mix is workable and complies with the delivery docket and specified order. It includes sampling and slump-testing supplied concrete.

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

Licensing, legislative, regulatory or certification requirements may 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 essential outcomes.	Performance criteria describe what needs to be done to demonstrate achievement of the element.
1 Plan and prepare to slump-test concrete.	1.1 Interpret concrete specifications and clarify slump requirements in consultation with relevant persons.

- 1.2 Plan work tasks to comply with relevant legislation, regulations, standards, codes, work health and safety (WHS), environmental and workplace requirements.
 - 1.3 Select tools and equipment for slump-testing, check for serviceability and rectify or report any faults.
 - 1.4 Select and fit required personal protective equipment (PPE).
 - 1.5 Inspect worksite, identify hazards, assess risks and apply risk controls, including required signage and barricades.
 - 1.6 Clean slumping cone in preparation for slump testing.
- 2 Conduct slump test.
 - 2.1 Take sample of concrete in accordance with relevant Australian Standard and test for consistency, directly from the delivery truck and after discharge of initial 0.2 cubic metres.
 - 2.2 Level off slumping cone and clear surplus concrete from steel plate and slumping cone.
 - 2.3 Raise slumping cone without moving sample.
 - 2.4 Measure sample for conformity with tolerance levels and carry out re-sampling when sample is outside tolerance.
 - 2.5 Record collapsed or sheared samples and communicate results to relevant persons.
- 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 CPCCCO3053 Slump test 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>