



Australian Government

Assessment Requirements for CPCCON3053 Slump-test concrete

Release: 2

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Modification History

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| 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. |

Performance Evidence

To demonstrate competency, a candidate must meet the elements and performance criteria of this unit by slump-testing two different concrete samples to determine if the mix is workable and complies with the delivery docket and specified order:

- 80 slump plus or minus 15
- 100 slump plus or minus 20.

Knowledge Evidence

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

- compliance requirements of legislation, regulations, codes and Australian Standards relevant to slump-testing:
 - environmental protection and waste disposal
 - methods of testing concrete in accordance with the current Australian Standard for determining properties related to the consistency of concrete – slump flow, T500 and J-ring test
 - work health and safety (WHS)
- health risks associated with silica dust exposure
- purpose and importance of slump-testing and the impact to concrete strength and durability of adding water on site:
 - drying, shrinkage
 - early age strength
 - density
 - cracking
 - discolouration
- specifications used to interpret slump tolerance levels and conformance
- techniques for conducting slump tests
- tools and equipment used for slump-testing concrete:

- bullet-nosed rod (600 mm x 16 mm)
- sampling scoops
- standard slump cones
- steel rule
- steel slump plate (500 mm x 500 mm)
- steel rod
- workplace requirements for slump-testing concrete:
 - cleaning up the work area
 - maintaining and storing 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, materials, tools and equipment required to achieve the performance criteria and performance evidence.

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>