



Australian Government

Assessment Requirements for CPCSPS4006 Apply sprayed concrete to shape and finish swimming pools and spas

Release: 2

Assessment Requirements for CPCSPS4006 Apply sprayed concrete to shape and finish swimming pools and spas

Modification History

- | | |
|-----------|---|
| Release 2 | This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.

Correction to Knowledge Evidence. |
| Release 1 | This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.

New unit. |

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by applying the operations of spraying and finishing for one of the following:

- one swimming pool
- one spa.

In doing this, the candidate must:

- evaluate the properties and performance of concrete and impacts on concrete integrity, and analyse the ability of concrete shell to withstand imposed forces and pressures
- ensure consistent concrete thickness and coverage on steel reinforcing as specified
- direct the shaping of concrete pool shell and finishing to obtain an even and defect-free surface in preparation for interior finish
- apply specified concrete curing methods.

Knowledge Evidence

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

- regulations, standards and codes relevant to concrete swimming pools and spas
- relevant sections of the National Construction Code (NCC)
- features of swimming pool and spa project plans and specifications
- pool fencing requirements
- properties, applications and limitations of swimming pool and spa materials, products and components
- workplace quality assurance systems
- processes, procedures and techniques for:
 - building swimming pools and spas

- calculating concrete quantities
- using digital devices to track, monitor and control concrete delivery
- applying 'shotcrete'
- applying internal finishes to concrete swimming pools and spas
- type, nature and performance of concrete:
 - properties and uses of cement
 - principles of reinforced concrete using steel, wire, fibres
 - effects of impurities in concrete
 - detrimental effects on concrete of poor or no curing
 - types of curing methods:
 - accelerated curing
 - continuously wetting concrete
 - impermeable membrane curing
- records include details of:
 - causes of surface defects during concrete placement
 - compaction of concrete
 - finishing processes and surface treatments for swimming pool and spa shell
- operational and functional features of tools and equipment
- relevant sections of work health and safety regulations
- workplace procedures and workplace safety:
 - hierarchy of control
 - hazardous manual tasks
 - hazardous chemicals
 - falls from heights
 - temporary safety barriers and fences around pools
 - competency requirements for operating pumping equipment
- workplace and environmental requirements relating to waste disposal and clean-up.

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 in a simulated workplace environment.

Candidates must have access to:

- regulations, standards and codes relevant to concrete swimming pools and spas
- relevant sections of the NCC
- project plans, specifications and manufacturer instructions
- workplace safety and environmental requirements
- a swimming pool and spa construction site.

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>