



Australian Government

CPCSPS4002 Select, procure and store construction materials for swimming pool and spa projects

Release: 2

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Modification History

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

Minor edits to formatting. |
| Release 1 | This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.

Supersedes and is equivalent to CPCCBC4050A Select, procure and store construction materials for swimming pools and spa projects. Recoded and updated to meet the Standards for Training Packages. |

Application

This unit specifies the skills and knowledge required to supervise the systems by which construction materials are selected, acquired and stored on site for swimming pool and spa projects. It includes identifying non-compliant materials to ensure the delivered construction materials meet the requirements of the National Construction Code (NCC) and contract and service specifications.

This reflects the role of builders, managers and related construction industry professionals responsible for applying quality standards to the procurement and onsite storage of materials for the construction of swimming pools in a range of contexts:

- private swimming pools
- public swimming pools, including:
 - hydrotherapy and therapeutic exercise pools
 - wading and receiving pools associated with water slides
 - wave pools.

This unit is suitable for those using specialised knowledge to complete routine and non-routine tasks, and their own judgement to deal with predictable and sometimes unpredictable problems.

No licensing or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil.

Unit Sector

Swimming Pool and Spa Building

Elements and Performance Criteria

Elements describe the essential outcomes.	Performance criteria describe what needs to be done to demonstrate achievement of the element.
1 Evaluate suitability of swimming pool and spa building materials.	1.1 Obtain and ensure currency of relevant project plans, specifications, codes and construction requirements. 1.2 Identify materials specified in project plans and specifications and assess their compliance and suitability for the project and the region. 1.3 Establish environmental impacts of different materials. 1.4 Confirm material installation and assembly tolerances to meet requirements of relevant construction industry standards and codes.
2 Select and procure materials.	2.1 Choose materials for their compliance with structural requirements, durability, sustainability, safety and cost effectiveness. 2.2 Consider short- and long-term degradation of materials in relation to the project's proposed life cycle. 2.3 Evaluate and select alternative materials if specified materials are unavailable. 2.4 Finalise selection of materials for use in accordance with contractual requirements and in consultation with relevant professionals and the client. 2.5 Procure and order materials following workplace purchasing procedures.
3 Supervise onsite delivery and storage of materials.	3.1 Determine limitations and effects of transportation on materials and components and investigate potentially damaging circumstances. 3.2 Instruct relevant persons of workplace safety requirements when handling and storing delivered

materials.

- 3.3 Implement procedures for inspecting all materials delivered onsite for quantity, quality, defects and damage.
- 3.4 Inform relevant persons of actions required to deal with quality inconsistencies of delivered building materials.
- 3.5 Supervise and allocate safe storage space, security and protection of materials to meet manufacturer specifications and site safety requirements.
- 3.6 Maintain records of delivery, variations, damage and inferior materials.

Foundation Skills

This section describes the language, literacy, numeracy and employment skills essential to performance in this unit but not explicit in the performance criteria:

- reading skills to interpret information on materials and to evaluate their suitability for the job
- oral communication skills to use questioning and active listening when clarifying procurement requirements
- numeracy skills to calculate material quantities
- technology skills to use devices to record and track orders and deliveries.

Unit Mapping Information

Supersedes and is equivalent to CPCCBC4050A Select, procure and store construction materials for swimming pools and spa projects.

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 CPCSPS4002 Select, procure and store construction materials for swimming pool and spa projects

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Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by selecting, procuring and organising the delivery and safe onsite storage for projects covering two of the following:

- one swimming pool
- one spa
- one swimming pool and spa.

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
 - causes of surface defects during concrete placement
 - compaction of concrete
 - detrimental effects on concrete of poor or no curing
- types of curing methods:
 - accelerated curing
 - continuously wetting concrete
 - impermeable membrane curing
- 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 swimming pools and spas
- relevant sections of the NCC
- project plans, specifications and manufacturer instructions
- workplace policies and procedures for procuring and storing construction materials
- workplace safety and environmental requirements.

Links

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