
Overview

This standard covers the construction of pools and water features.

The typical materials and equipment you would use include: rocks and concrete, plastic ridged or flexible liners, electrically powered pumps and filters.

Electrical work should only be completed by a competent and qualified electrician.

If you are working with machinery you need to be appropriately trained or certificated in line with current legislation.

You must carry out your work in a way which will minimise any impact on the natural environment and enhance its nature, conservation and recreational value.

**Performance
criteria**

You must be able to:

- P1 assess site conditions to establish suitability prior to commencing operations
- P2 assess the risks associated with the site and the proposed work
- P3 carry out an environmental assessment of the site before starting work
- P4 identify and prepare the necessary tools, equipment and materials for the work
- P5 prepare the site according to specifications
- P6 install and construct pools or water features safely and following specifications
- P7 install equipment according to manufacturers' instructions and legal requirements
- P8 use tools, plant and equipment safely and correctly
- P9 carry out work in a manner which prevents damage to the surrounding area
- P10 check that the installation is working correctly
- P11 identify potential defects and take corrective action
- P12 restore the site to an appropriate condition following completion of the work
- P13 deal with waste safely and correctly in accordance with legislation
- P14 maintain effective communication with colleagues and others involved in the work
- P15 carry out all work in accordance with relevant environmental and health and safety legislation, risk assessment requirements, codes of practice and company policies

Knowledge and understanding

You need to know and understand:

- K1 how to identify hazards and assess risks
- K2 how to interpret risk assessments
- K3 the importance of carrying out an environmental assessment of the site before starting work and the findings which may affect proposed work
- K4 how to interpret specifications and the importance of following them
- K5 how to select the tools, equipment and materials required to carry out the job
- K6 how to use the required tools, equipment and materials safely and correctly
- K7 the problems which may arise and the action to take
- K8 potential causes of damage to the surrounding area and ways of preventing or minimising them
- K9 the potential conflicts between this work and conserving the natural environment
- K10 the conditions suitable to the construction of pools and water features
- K11 the features and application of the range of materials
- K12 the principles and methods of pool and water feature construction
- K13 the principles of pump power calculation, selection and positioning
- K14 the safety requirements for pump systems
- K15 methods of checking the functioning of the installation
- K16 the symptoms of the types of faults that may occur
- K17 the potential hazards when constructing pools
- K18 the importance of maintaining effective communication with those involved in the work
- K19 the legal and organisational requirements for the handling, transporting and disposal of waste
- K20 your responsibilities under current environmental and health and safety legislation, codes of practice and company policies

Glossary

Pools and water features could be ponds, streams, fountains and waterfalls.

Specifications: drawings, schedules, method statements, Standard Operating Procedures (SOPs), manufacturers' guidelines.

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