

SKAC18 - SQA Unit Code H53X 04

Assemble and install purpose made equipment and components for sport/play



Overview

This unit is about receiving, checking and assembling purpose made equipment – such as goals, rebound boards and play equipment – following the manufacturer’s instructions. The unit also covers installing the equipment after assembly, using various methods, for example, cast-in or socketed. Correct lifting and handling techniques are important in this unit. It is also important to be able to identify and solve problems safely and effectively.

The unit is divided into three parts. The first part describes the two things you have to do. These are:

1. assemble purpose made equipment and components
2. install purpose made equipment and components

The second part describes the knowledge and understanding you must have.

The third part gives some examples and explanations of some words we use in this unit.

This unit is for operatives working in the sports surfaces installation and maintenance industry.

SKAC18 - SQA Unit Code H53X 04

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Performance criteria

You must be able to:

Assemble purpose made equipment and components

- P1 check that you have the necessary plans and components and report any shortfalls
- P2 interpret plans and specifications correctly
- P3 assemble equipment following manufacturer's instructions and methods
- P4 protect yourself, others and the environment from hazards

You must be able to:

Install purpose made equipment and components

- P5 install the equipment following the manufacturer's instructions, using approved methods
- P6 take appropriate corrective action when components do not conform to specification
- P7 identify and put right any defects within the limits of your own authority
- P8 report any defects outside the limits of your own authority to the responsible person
- P9 protect yourself, others and the environment from hazards

SKAC18 - SQA Unit Code H53X 04

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Knowledge and understanding

You need to know and understand:

- K1 the types and use of fixings used in the assembly of equipment and components
- K2 methods of checking quality and quantity of components
- K3 how to interpret manufacturers' instructions and specifications
- K4 safe working methods and relevant industry codes of practice
- K5 methods of lifting, handling and transferring assembled structures
- K6 methods of supporting and protecting unfixed structures
- K7 methods of handling and positioning structures
- K8 methods of providing temporary supports for structures
- K9 methods of aligning and levelling structures
- K10 factors affecting the positioning and method of fixing structures
- K11 relevant statutory regulations
- K12 handling and lifting techniques and regulations
- K13 types and methods of fixing structures to foundations

SKAC18 - SQA Unit Code H53X 04

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Additional Information

Scope/range related to performance criteria

Assemble purpose made equipment and components

1. **methods**
 - 1.1. nuts and bolts
 - 1.2. screws
 - 1.3. proprietary fixings

Install purpose made equipment and components

2. **methods**
 - 2.1. cast in
 - 2.2. bolted
 - 2.3. socketed

Glossary

Cast in

For example, grouting in fixings or posts, in-situ concrete around supports

Components

For example, a set of swings for a frame, a platform on a climbing frame, goal posts

Proprietary fixings

For example, bolts made specifically for an item of equipment, purpose made clamps

Socketed

Inserted into preformed apertures

Links to other NOS

This unit links closely to units SKAA513, SKAC224 and SKAC241

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