VR 254 - SQA Unit Code FW0P 04

[Erect and Dismantle Basic Pavement and Roof Scaffolds]

Overview

This unit is about:

- interpreting information
- adopting safe and healthy working practices
- selecting materials, components and equipment
- preparing, erecting and dismantling basic pavement and roof scaffolds

Performance criteria

You must be able to:

P1 Interpret the given information relating to the work and resources to confirm its relevance.

P2 Comply with the given, relevant legislation and official guidance to carry out your work and maintain safe work practices.

P3 Select the required quantity and quality of resources for the methods of work.

P4 Comply with organisational procedures to minimise the risk of damage to the work and surrounding area.

P5 Comply with the given contract information to carry out the work efficiently to the required specification.

P6 Complete the work within the allocated time, in accordance with the programme of work.

Knowledge and understanding

You need to know and understand:

K1 **Performance Criteria 1**
Interpretation of information

K1.1 The organisational procedures developed to report and rectify inappropriate information and unsuitable resources, and how they are implemented.

K1.2 The types of information, their source and how they are interpreted.

K1.3 The organisational procedures to solve problems with the information and why it is important they are followed.

K2 **Performance Criteria 2**
Safe work practices

K2.1 The level of understanding operatives must have of information for relevant, current legislation and official guidance and how it is applied.

K2.2 How emergencies should be responded to and who should respond.

K2.3 The organisational security procedures for tools, equipment and personal belongings.

K2.4 What the accident reporting procedures are and who is responsible for making the report.

K2.5 Why and when personal protective equipment (PPE) should be used.

K3 **Performance Criteria 3**
Selection of resources

K3.1 The characteristics, quality, uses, limitations and defects associated with the resources and how defects should be rectified.

K3.2 How the resources should be used and how any problems associated with the resources are reported.

K3.3 The organisational procedures to select resources, why they

have been developed and how they are used.

K3.4 The hazards associated with the resources and methods of work and how they are overcome.

K4 **Performance Criteria 4**
Minimise the risk of damage

K4.1 How to protect work from damage and the purpose of protection.

K4.2 Why disposal of waste should be carried out safely and how it is achieved.

K5 **Performance Criteria 5**
Meet the contract specification

K5.1 How methods of work, to meet the specification, are carried out and problems reported.

K5.2 How maintenance of tools and equipment is carried out.

K6 **Performance Criteria 6**
Allocated time

K6.1 What the programme is for the work to be carried out in the estimated, allocated time and why deadlines should be kept.

Scope/range related to performance criteria

Scope of Performance

Evidence must be work-based, simulation alone is only allowed where shown in bold italics.

P1 Interpretation of plans, drawings and sketches, specifications, schedules, manufacturers' information, related to the scaffolding work to be carried out.

P2 Safe use of personal protective equipment (PPE), access equipment and fall arrest equipment to carry out the activity, in accordance with legislation and/or organisational requirements.

P3 Safe use and storage of tools and equipment.

P4 Selection of resources associated with own work:

- P4.1 materials, components and fixings
- P4.2 tools and equipment
- P4.3 access equipment.

P5 Protection of the work and its surrounding area from damage.

P6 Disposal of waste in accordance with legislation.

P7 Minimise damage and maintain a clean work space.

P8 Work skills to:

- P8.1 measure, set out, assemble, fix, position, secure and remove.

P9 Use and maintain:

- P9.1 hand tools
- P9.2 ancillary equipment

P9.3 access equipment.

P10 Erect and dismantle basic pavement and roof scaffolds to contractor's working instructions using either of the following materials and component make-up:

P10.1 tube and fitting
P10.2 systems scaffold.

P11 Completion of own work within the estimated, allocated time to meet the needs of other occupations and/or client.

Scope/range related to knowledge and understanding

Scope of Knowledge and Understanding

The knowledge and understanding evidence should relate to the occupational area being assessed.

K1 **Disposal of waste**

K1.1 Environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.

K2 **Emergencies**

K2.1 Operative's response to situations in accordance with organisational authorisation and personal skills when involved with:

- fires, spillages, injuries, falls and rescue.

K3 **Hazards**

K3.1 Those identified by method of work, manufacturers' technical information, statutory regulations and official guidance.

K4 **Information**

K4.1 Drawings, specifications, schedules, manufacturers' information, standards, regulations and Codes of Practice associated with scaffolding work.

K5 **Legislation and official guidance**

K5.1 This relates to the operative's understanding of their responsibilities regarding current legislation whilst working:

- in the workplace, at height, with tools and equipment, with materials and substances, with movement/storage of materials

and by manual handling and mechanical lifting.

K6 **Maintenance**

K6.1 Operative care of hand tools and ancillary equipment.

K7 **Methods of work**

K7.1 Application of knowledge for safe work practices, procedures, skills and transference of competence, relating to the area of work and materials used, to:

- identify and confirm the area to erect the pavement and roof scaffold
- confirm the stability of the foundation/structure on which the scaffold will be erected and secured
- confirm the materials and component make-up (tube and fitting, systems scaffold)
- set out and prepare for the scaffold structure
- erect and secure the scaffold in accordance with techniques and practices for a pavement and roof scaffold structure incorporating access for erection or use of other occupations
- dismantle and remove pavement and roof scaffold structure
- check and test the fall arrest equipment for security, safety and operational movement
- use hand tools and ancillary equipment
- work at height.

K7.2 Team work and communication.

K7.3 Needs of other occupations associated with erecting and dismantling basic pavement and roof scaffold structures.

K8 **Personal protective equipment (PPE)**

K8.1 Occupational use, type, purpose of each type and work situations.

K9 **Problems**

K9.1 Those arising from information, resources and methods of work:

- own authority to rectify
- organisational reporting procedures.

K10 **Programme**

K10.1 Types of progress charts, timetables and estimated times.
K10.2 Organisational procedures for reporting circumstances which will affect the work programme.

K11 **Protect work**

K11.1 Against damage from general workplace activities, other occupations and adverse weather conditions.

K12 **Resources**

K12.1 Materials, components and equipment relating to types, quantity, quality and sizes of standard and/or specialist:

- tube and fitting
- systems scaffold
- associated materials (props, ropes, boards, plates, beams, ladders, proprietary components etc.)
- hand tools and ancillary equipment.

K12.2 Methods of calculating quantity, length and area associated with the method/procedure for erecting and dismantling basic pavement and roof scaffold structures.

K13 **Security procedures**

K13.1 Site, workplace, company and operative.

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