
Overview

This standard is about

- 1 interpreting information
- 2 adopting safe and healthy working practices
- 3 selecting materials, components and equipment
- 4 removing and installing domestic plumbing, water and waste services (from the isolation point only) to kitchens and/or bathrooms and/or bedrooms
- 5 working on new, alteration or refurbishment contracts

COSVR122 SQA Unit Code H8XC 04

Install basic plumbing

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 and healthy 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

COSVR122 SQA Unit Code H8XC 04

Install basic plumbing

Knowledge and understanding

You need to know and understand:

Performance Criteria 1

Interpretation of information

- K1 the organisational procedures developed to report and rectify inappropriate **information** and unsuitable **resources**, and how they are implemented
- K2 the types of **information**, their source and how they are interpreted
- K3 the organisational procedures to solve **problems** with the **information** and why it is important they are followed

Performance Criteria 2

Safe work practices

You need to know and understand:

- K4 the level of understanding operatives must have of **information** for relevant, current **legislation and official guidance** and how it is applied
- K5 how **emergencies** should be responded to and who should respond
- K6 the organisational **security procedures** for tools, equipment and personal belongings
- K7 what the accident reporting procedures are and who is responsible for making the report
- K8 why, when and how **personal protective equipment (PPE)** should be used

Performance Criteria 3

Selection of resources

You need to know and understand:

- K9 the characteristics, quality, uses, sustainability, limitations and defects associated with the **resources** and how defects should be rectified
- K10 how the **resources** should be used and how any **problems** associated with the **resources** are reported
- K11 the organisational procedures to select **resources**, why they have been developed and how they are used
- K12 the **hazards** associated with the **resources** and **methods of work** and how they are overcome

COSVR122 SQA Unit Code H8XC 04

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Performance Criteria 4

Minimise the risk of damage

You need to know and understand:

- K13 how to **protect work** from damage and the purpose of protection
- K14 why **disposal of waste** should be carried out safely and how it is achieved

Performance Criteria 5

Meet the contract specification

You need to know and understand:

- K15 how **methods of work**, to meet the specification, are carried out and **problems** reported
- K16 how **maintenance** of tools and equipment is carried out

Performance Criteria 6

Allocated time

You need to know and understand:

- K17 what the **programme** is for the work to be carried out in the estimated, allocated time and why deadlines should be kept

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of drawings, specifications, schedules, and manufacturers' information related to the work to be carried out

Performance Criteria 2

- 2 safe use of personal protective equipment (PPE) to carry out the activity, in accordance with legislation and/or organisational requirements
- 3 safe use and storage of tools and equipment

Performance Criteria 3

- 4 selection of resources associated with own work
 - 4.1 materials, components and fixings
 - 4.2 tools and equipment

Performance Criteria 4

- 5 protection of the work and its surrounding area from damage
- 6 consultation with client regarding protection of property and belongings
- 7 minimise damage and maintain a clean work space
- 8 disposal of waste in accordance with current legislation

Performance Criteria 5

- 9 demonstration of work skills to measure, mark out, fit, finish, position and secure
- 10 use and maintain hand tools, portable power tools and ancillary equipment
- 11 remove and install kitchen and/or bathroom and/or bedroom appliances (from the isolation point only) in compliance with current regulations and given working instructions, relating to the following as appropriate to the installation to given working instructions
 - 11.1 sinks, basins, baths, WCs, bidets
 - 11.2 taps, waste services, waste disposal, shower trays and shower valves
 - 11.3 laundry appliances, dishwashers

Performance Criteria 6

- 12 completion of own work within the estimated, allocated time to meet the needs of other occupations and/or client

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Scope/range related to knowledge and understanding

Disposal of waste

- 1 environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance

Emergencies

- 2 operative's response to situations in accordance with organisational authorisation and personal skills when involved with
 - 2.1 fires, spillages, injuries

Hazards

- 3 those identified by method of work, manufacturers' technical information, statutory regulations and official guidance

Information

- 4 drawings, specifications, schedules, manufacturers' information and regulations governing buildings

Legislation and official guidance

- 5 this relates to the operative's responsibilities regarding potential accidents and health hazards 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

Maintenance

- 6 operative care of hand tools and/or portable power tools and ancillary equipment

Methods of work

- 7 application of knowledge for safe and healthy work practices, procedures and skills relating to the method/area of work and materials used to:
 - 7.1 remove and install: sinks, basins, baths, taps, waste services, WCs, bidets, shower trays, shower valves, pumps, laundry appliances and dishwashers
 - 7.2 carry out bending of copper pipes
 - 7.3 use compression and capillary copper fittings
 - 7.4 use compression, push fit and plastic weld fittings
 - 7.5 connect hot and cold water supplies
 - 7.6 use hand tools and/or power tools and equipment
- 8 team work and communication
- 9 needs of other occupations associated with the installation of basic plumbing

Personal protective equipment (PPE)

- 10 occupational use, types, purpose of each type and work situations

Problems

- 11 those arising from information, resources and methods of work
 - 11.1 own authority to rectify
 - 11.2 organisational reporting procedures

Programme

- 12 types of progress charts, timetables and estimated times
- 13 organisational procedures for reporting circumstances which will affect the work programme

Protect work

- 14 protect work against damage from general workplace activities, other occupations and adverse weather conditions

Resources

- 15 materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and/or specialist:
 - 15.1 sinks, basins, baths, WCs, bidets, shower trays
 - 15.2 copper and plastic pipes, waste outlets, taps, valves and pumps
 - 15.3 sealants and adhesives
 - 15.4 associated fixings and fittings
 - 15.5 hand and/or powered tools and equipment
- 16 methods of calculating quantity, length, area and wastage associated with the method/procedure to install basic plumbing

Security procedures

17 site, workplace, company and operative

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Developed by	ConstructionSkills
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Originating organisation	ConstructionSkills
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Relevant occupations	Carpenters and Joiners
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Suite	Fitted Interiors (Construction); Innovative/Modern Methods of Construction; Building Maintenance Multi-trade Repair and Refurbishment Operations
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