

COSVR552 – SQA Unit Code HG5K 04

Carry out free brush work



Overview

This standard is about

- 1 interpreting information
- 2 adopting safe and healthy working practices
- 3 selecting and preparing materials and associated equipment
- 4 providing protection to the work area
- 5 analysing surfaces for defects, and proposing solutions
- 6 setting out drawings, applying designs and carrying out free brush work

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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

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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 and when **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

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

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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

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Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 interpretation of drawings, specifications, current regulations/legislation, method statements and/or risk assessments and manufacturers' information related to the work to be carried out

Performance Criteria 2

- 2 avoidance of risk by following the given information relating to the following
 - 2.1 methods of work
 - 2.2 safe use of personal protective equipment (PPE)
 - 2.3 safe use of access equipment
 - 2.4 safe use and storage of materials, tools and equipment

Performance Criteria 3

- 3 selection of resources associated with own work
 - 3.1 materials
 - 3.2 tools and equipment

Performance Criteria 4

- 4 protection of the work and its surrounding area from damage
- 5 minimise damage and maintain a clean work space
- 6 disposal of waste in accordance with legislation

Performance Criteria 5

- 7 demonstration of work skills to inspect, analyse, scale, draw, set out, position, secure and transfer, match, pour, adjust viscosity and apply
- 8 use and maintain hand tools and associated equipment
- 9 set out from a drawing and apply decorative design, including outlining and enhancing architectural features, to given working instructions using at least four of the following:
 - 9.1 mechanical lining tools
 - 9.2 lining fitches
 - 9.3 straight edges
 - 9.4 sign writing pencils
 - 9.5 mahl stick

- 10 apply protective finish over decorative effects where applicable

Performance Criteria 6

- 11 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
 - 2.2 emergencies relating to occupational activities

Hazards

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

Information

- 4 drawings, specifications, method statements, risk assessments, manufacturers' information and current regulations/legislation

Legislation and official guidance

- 5 this relates to the operative's responsibilities regarding potential accidents and health hazards whilst working in the workplace, in confined spaces, 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 associated equipment

Methods of work

- 7 application of knowledge for safe work practices, procedures and skills, relating to the method/area of work and materials used, to
- 7.1 establish access requirements
 - 7.2 inspect surfaces for suitability, identify causes of faults and propose solutions
 - 7.3 clean surfaces for application
 - 7.4 prepare water-borne and solvent-borne coatings
 - 7.5 adjust dilution to appropriate viscosity
 - 7.6 set out from a drawing and apply design by free brush work to panelled and broad areas (to include outlining and enhancing) using mechanical lining tools, lining fitches, straight edges, sign writing pencils and mahl stick
 - 7.7 identify architectural features
 - 7.8 apply protective coating over decorative effects where appropriate
 - 7.9 identify atmospheric conditions that will influence the process
 - 7.10 use hand tools and associated equipment
 - 7.11 work at height
 - 7.12 use access equipment
- 8 team work and communication
- 9 needs of other occupations associated with carrying out free brush work

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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 sustainability of standard and/or specialist
 - 15.1 water-borne and solvent-borne coatings
 - 15.2 paints, stainers, solvents, glaze/varnishes, driers
 - 15.3 mechanical lining tools, lining fitches and straight edges, sign writing pencils and mahl stick
 - 15.4 equipment for setting out, including chalk lines and laser beams
 - 15.5 protective sheeting and masking materials
 - 15.6 waste containers/bags
 - 15.7 hand and associated equipment
- 16 methods of calculating quantity, length, area and wastage associated with the method/procedure to carry out free brush work

Security procedures

- 17 site, workplace, company and operative

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