COSVR318 (SQA Unit Code - H1PT 04)
Apply surface finish to concrete flooring

Overview

This standard is about

1 interpreting information
2 adopting safe and healthy working practices
3 selecting materials, components and equipment
4 place and compact concrete and apply surface finish to industrial/commercial concrete floors

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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

You need to know and understand:

Performance Criteria 2
Safe work practices

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

You need to know and understand:

Performance Criteria 3
Selection of resources

K9 the characteristics, quality, uses, 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

You need to know and understand:

Performance Criteria 4
Minimise the risk of damage

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, 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 minimise damage and maintain a clean work space

7 disposal of waste in accordance with legislation

Performance Criteria 5

8 demonstration of work skills to measure, mark out, spread, compact, finish and set up

9 use and maintain hand tools, power floats and ancillary equipment

10 apply finish to industrial/commercial concrete flooring to given working instructions by operation of pedestrian power float or ride-on power float

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

Hazards

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

Information

4 drawings, specifications, schedules, manufacturers' information and regulations

Legislation and official guidance

5 this relates to the operative's responsibilities regarding potential accidents and health hazards whilst working in the workplace, below ground level, 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 work practices, procedures and skills, relating to the method/area of work and materials used, to
   - 7.1 place and compact concrete
   - 7.2 screed concrete to finished level
   - 7.3 set up, carry out pre-start checks and operate pedestrian power float or ride-on power float
   - 7.4 achieve floated finish to concrete
   - 7.5 cure concrete
   - 7.6 use hand tools, power tools and equipment

8 team work and communication

9 needs of other occupations associated with laying concrete floors

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 and sizes of standard and/or specialist
- 15.1 structural concrete
- 15.2 reinforcement
- 15.3 consummables
- 15.4 compaction equipment
- 15.5 curing compounds/applicators
- 15.6 pedestrian or ride-on power floats
- 15.7 hand and/or powered tools and equipment

16 methods of calculating quantity, length, area and wastage associated with the method/procedure to lay concrete floors

Security procedures

17 site, workplace, company and operative

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