

COSVR362 - SQA Unit Code DY32 04

Lay construction related materials



Overview

This standard is about

- 1 interpreting instructions
- 2 adopting safe and healthy working practices
- 3 selecting materials and equipment
- 4 carrying out as an individual, or team member, laying materials as part of the construction process

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Performance criteria

- You must be able to:*
- P1 comply with the given, relevant legislation and official guidance to carry out your work and maintain safe work practices
 - P2 select the required quantity and quality of resources for the methods of work
 - P3 comply with organisational procedures to minimise the risk of damage to the work and surrounding area
 - P4 comply with the given contract instructions to carry out the work efficiently to the required specification
 - P5 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

Safe work practices

- K1 the types of **information**
- K2 the level of understanding operatives must have of relevant, current **legislation and official guidance** and how it is applied
- K3 how **emergencies** should be responded to and who should respond
- K4 the organisational **security procedures** for tools, equipment and personal belongings
- K5 what the accident reporting procedures are and who is responsible for making the report
- K6 why, when and how **personal protective equipment (PPE)** should be used

Performance Criteria 2

Selection of resources

- K7 the characteristics, quality, uses, sustainability, limitations and defects associated with the **resources**
- K8 how the **resources** should be used
- K9 the **hazards** associated with the **resources** and **methods of work**

You need to know and understand:

Performance Criteria 3

Minimise the risk of damage

- K10 how to **protect work** from damage and the purpose of protection
- K11 why **disposal of waste** should be carried out safely

You need to know and understand:

Performance Criteria 4

Given contract instructions

- K12 how **methods of work** are carried out and **problems** reported
- K13 how **maintenance** of tools and equipment is carried out

You need to know and understand:

Performance Criteria 5

Allocated time

- K14 what the **programme** is for the work to be carried out and why deadlines should be kept

You need to know and understand:

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Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 avoidance of risk by following the given information relating to at least four of the following
 - 1.1 methods of work
 - 1.2 safe use of personal protective equipment (PPE)
 - 1.3 safe use of access equipment
 - 1.4 safe use and storage of materials, tools and equipment

Performance Criteria 2

- 2 selection of resources associated with own work
 - 2.1 materials
 - 2.2 tools and equipment

Performance Criteria 3

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

Performance Criteria 4

- 6 demonstration of work skills to place, compact, level and finish
- 7 use and maintain hand tools, portable power tools and ancillary equipment
- 8 lay at least one of the following construction related materials by oneself or with others to given working instructions
 - 8.1 oversite
 - 8.2 sub-base material
 - 8.3 concrete
 - 8.4 screeds
 - 8.5 bituminous material

Performance Criteria 5

- 9 completion of own work within the time allowed

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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 the occupational activities

Hazards

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

Information

- 4 manufacturers' information, oral/written and sketches

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, 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, 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 lay, compact and finish oversite, sub-base materials, concrete, screeds, bituminous materials
 - 7.2 work with plant or machinery and lifting equipment
 - 7.3 use hand tools, power tools and equipment
 - 7.4 work at height
 - 7.5 use access equipment
- 8 team work and communication
- 9 needs of other occupations associated with laying construction related materials

Personal protective equipment (PPE)

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

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Problems

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

Programme

- 12 agreed starting and finishing times

Protect work

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

Resources

- 14 materials, components and equipment relating to types, quantity, quality, sizes and sustainability of standard and/or specialist
 - 14.1 concrete, screeds, oversite, sub-base, aggregate, bituminous materials
 - 14.2 hand and/or powered tools and equipment
- 15 methods of calculating quantity, length, area and wastage associated with the method/procedure to lay construction related materials

Security procedures

- 16 site, workplace, company and operative

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Developed by ConstructionSkills

Version number 2

Date approved January 2010

Indicative review date April 2014

Validity Current

Status Original

Originating organisation ConstructionSkills

Original URN VR362

Relevant occupations Elementary Construction Occupations

Suite Construction Operations and Civil Engineering Services

Key words Concrete; Screeds; Oversite; Sub-base; Aggregates