
Overview

This standard is about interpreting information, adopting safe, healthy and environmentally responsible work practices, selecting materials, components and equipment and providing screed finish to floors, sand and cementitious and/or flowable screeds

This standard is for people working in specialist concrete occupations particularly those involved with laying screed floors and can be used by operatives, supervisors and managers

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

Knowledge and understanding

Performance Criteria 1

Interpretation of information

You need to know and understand:

- 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 **health and safety control equipment** should be used
- K9 how to comply with environmentally responsible work practices to meet the requirements of current **legislation and official guidance**

Performance Criteria 3

Selection of resources

You need to know and understand:

- K10 the characteristics, quality, uses, sustainability, limitations and defects associated with the **resources** and how defects should be rectified
- K11 how the **resources** should be used and how any **problems** associated with the **resources** are reported
- K12 the organisational procedures to select **resources**, why they have been developed and how they are used
- K13 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:

- K14 how to **protect work** from damage and the purpose of protection
- K15 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:

- K16 how **methods of work**, to meet the specification, are carried out and **problems** reported
- K17 how **maintenance** of tools and equipment is carried out

Performance Criteria 6

Allocated time

You need to know and understand:

- K18 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, method statements, risk assessments and manufacturers' information related to the work to be carried out

Performance Criteria 2

- 2 avoidance of risk by complying with the given information relating to the following
 - 2.1 methods of work
 - 2.2 safe use of health and safety control equipment
 - 2.3 safe use, storage and handling of materials
 - 2.4 safe use and storage of tools and equipment
 - 2.5 specific risks to health

Performance Criteria 3

- 3 selection of resources associated with own work
 - 3.1 materials, components and fixings
 - 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 current legislation

Performance Criteria 5

- 7 demonstration of work skills to measure, mark out, locate, secure, form, fix, mix, transport, lay, test, compact, protect and cure
- 8 use and maintain hand tools, portable power tools and ancillary equipment
- 9 lay screeds to floors and stairs to given working instructions using sand and cementitious screeds or flowable screeds

Performance Criteria 6

- 10 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

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

Health and safety control equipment

- 4 identified by the principles of protection for occupational use, types and purpose of each type, work situations and general work environment
 - 4.1 collective protective measures
 - 4.2 local exhaust ventilation (LEV)
 - 4.3 personal protective equipment (PPE)
 - 4.4 respiratory protective equipment (RPE)

Information

- 5 drawings, specifications, schedules, method statements, risk assessments, work instructions, electronic data, manufacturers' information and current regulations

Legislation and official guidance

- 6 this relates to the operative's responsibilities regarding potential accidents, health hazards and the environment 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

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

Methods of work

- 8 application of knowledge for safe and healthy work practices, procedures and skills relating to the method/area of work and materials used to
 - 8.1 set out for line and level
 - 8.2 locate and protect cast-in services (heating, water, gas, electric and waste)
 - 8.3 prepare and protect service penetrations
 - 8.4 position and secure reinforcement, spacers and fixings
 - 8.5 form drainage inlets, drainage channels and outlets
 - 8.6 form joints, movement (expansion), anti-crack applicable to bay sizes
 - 8.7 inspect prepared substrate to include cleanliness, testing and application of primers and damp proof membranes (DPM)
 - 8.8 check and monitor ambient conditions
 - 8.9 mix screeds using paddle, spiral and forced action mixer
 - 8.10 transport screed material using mechanical (pumps, bulk bags by lifting equipment) and by hand (shovelled, barrowed)
 - 8.11 working with and around plant and machinery
 - 8.12 test screed mix for consistency
 - 8.13 prepare samples for testing
 - 8.14 lay and compact screed (vibrating screed beam and rollers) to floors and around fixings to specified thickness, level and finish
 - 8.15 monitor and control exposure to vibration
 - 8.16 protect and cure screed
 - 8.17 recognise and determine when specific skills and knowledge are required and report accordingly
 - 8.18 meet agreed quality criteria
 - 8.19 record and report
 - 8.20 use hand tools, portable power tools and ancillary equipment
- 9 team work and communication
- 10 needs of other occupations associated with laying screed floors

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 battens, reinforcement and drainage accessories

15.2 movement and construction joints

15.3 bonding agents, sand, cement, additives, aggregates, colouring agents, membranes

15.4 flowable screeds

15.5 hand and/or portable powered tools and ancillary equipment

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

Security procedures

17 site, workplace, company and operative

COSVR314

Lay screed floors

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Relevant occupations Construction and Building Trades

Suite Specialist Concrete Occupations (Construction)

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