

## Overview

This standard is about interpreting information, adopting safe, healthy and environmentally responsible work practices, selecting and using materials, components, tools and equipment, preparing for and laying sub-base and flexible pavement material

This standard is for people working in the occupational area of road building and maintenance, 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

*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

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 current **legislation and official guidance**

### Performance Criteria 3

#### Selection of resources

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**

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**

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**

K18 what the **programme** is for the work to be carried out in the estimated, allocated time and why deadlines should be kept

**Scope/range****Performance Criteria 1**

1 interpretation of drawings, specifications, schedules, risk assessments, method statements 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, tools and equipment

2.4 specific risks to health

**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 maintain a clear and tidy work space

6 disposal of waste in accordance with current legislation

**Performance Criteria 5**

7 demonstration of work skills to measure, mark out, prepare, lay, spread, level, compact and finish

8 use and maintain hand tools, power tools, pedestrian operated plant and ancillary equipment

9 lay flexible pavement materials to given working instructions relating to the following

9.1 unbound sub-base construction

9.2 prepare and form joints

9.3 flexible surface material

**Performance Criteria 6**

Lay flexible pavement materials

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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, methods of work, manufacturers' technical information, statutory regulations and official guidance

**Health and safety control equipment**

4 identified by the principles of prevention for occupational use, types and purpose of each type, work situations and general work environment

4.1 collective protective measures

4.2 personal protective equipment (PPE)

4.3 respiratory protective equipment (RPE)

**Information**

5 drawings, specifications, schedules, risk assessments, method statements, manufacturers' information, verbal, written and graphical instructions, official guidance and current regulations governing the laying of flexible pavement materials

**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, with tools and equipment, with materials and substances, with movement and storage of materials by manual handling and mechanical lifting

### **Maintenance**

7 operative care of hand tools, 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 and area of work and materials used to:

8.1 confirm the area and location of work, the operations, safety and security requirements including temporary traffic management and immediate area protection

8.2 prepare the area for laying of flexible pavement materials

8.3 conform agreed specifications

8.4 determine the suitability of flexible pavement materials

8.5 lay, compact and finish unbound sub-base

8.6 prepare and form joints

8.7 lay, compact and finish flexible pavement materials

8.8 work around street furniture and ironwork

8.9 apply sealers, sealants, tack and bond coats and bitumen

8.10 work with, in close proximity to and around plant and machinery

8.11 return infrastructure to operational status

8.12 recognise and determine when specialist skills and knowledge are required and report accordingly

8.13 use hand tools, power tools, pedestrian operated plant and equipment

9 team work and communication

10 needs of other occupations associated with laying flexible pavement materials

### **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 productivity targets and time scales
- 13 how time is estimated
- 14 organisational procedures for reporting circumstances which will affect the work programme

### **Protect work**

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

### **Resources**

- 16 materials, components and equipment relating to types, quantity, quality, sizes and the sustainability of standard and specialist:
  - 16.1 unbound sub-base materials
  - 16.2 jointing materials
  - 16.3 flexible pavement materials, asphalt concretes, hot rolled asphalt, stone mastic asphalt, mastic asphalt and resin bound versions
  - 16.4 hand tools, power tools, pedestrian operated plant and equipment
- 17 identify by calculation, quantity, length, area and wastage associated with the method and procedure to lay flexible pavements materials

### **Security procedures**

- 18 site, workplace, company and operative

## Lay flexible pavement materials

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**Suite** Road building and Maintenance

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