

COSVR100

Prepare resources for built up bituminous roofing



Overview

This standard is about

- 1 interpreting instructions
- 2 adopting safe and healthy working practices
- 3 selecting materials, components and equipment
- 4 preparing resources for torch-on and/or pour and roll roofing
- 5 siting, operating and overseeing bitumen boilers on new and/or re-roofing contracts

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

Knowledge and understanding

You need to know and understand:

Performance Criteria 1

Safe work practices

- K1 the types of **instructions**
- K2 the level of understanding operatives must have of relevant, current **legislation and official guidance** and how it is applied
- K3 the types of **fire extinguishers** and how and when they are used
- K4 how **emergencies** should be responded to and who should respond
- K5 the organisational **security procedures** for tools, equipment and personal belongings
- K6 what the accident reporting procedures are and who is responsible for making the report
- K7 why and when **personal protective equipment (PPE)** should be used

Performance Criteria 2

Selection of resources

You need to know and understand:

- K8 the characteristics, quality, uses, limitations and defects associated with the **resources**
- K9 how the **resources** should be used
- K10 the **hazards** associated with the **resources** and **methods of work**

Performance Criteria 3

Minimise the risk of damage

You need to know and understand:

- K11 how to **protect work** from damage and the purpose of protection
- K12 why **disposal of waste** should be carried out safely and how it is achieved

Performance Criteria 4

Given contract instructions

You need to know and understand:

- K13 how **methods of work** are carried out and **problems** reported
- K14 how **maintenance** of tools and equipment is carried out

Performance Criteria 5

Allocated time

You need to know and understand:

- K15 what the **programme** is for the work to be carried out and why deadlines should be kept

Additional Information

Scope/range related to performance criteria

Performance Criteria 1

- 1 safe use of personal protective equipment (PPE) to carry out the activity in accordance with legislation and/or organisational requirements
- 2 safe use and storage of materials, tools and equipment
- 3 safe use of fire extinguishers, as appropriate to the fire

Performance Criteria 2

- 4 selection of resources associated with own work
 - 4.1 materials, components and fixings
 - 4.2 tools and equipment

Performance Criteria 3

- 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 4

- 8 demonstration of work skills to measure, cut, prepare, check and monitor
- 9 preparation of resources and materials to given working instructions for at least one of the following and/or bitumen boilers
 - 9.1 torch-on roofing
 - 9.2 pour and roll roofing

Performance Criteria 5

- 10 completion of own work within the time allowed

Scope/range related to knowledge and understanding

Disposal of waste

- 1 environmental responsibilities, organisational procedures, manufacturers' information

Emergencies

- 2 operative's response to situations in accordance with organisational authorisation and personal skills when involved with
 - 2.1 fires, spillages, injuries

Fire extinguishers

- 3 water, CO₂, foam, powder and their uses

Hazards

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

Instructions

- 5 manufacturers' information, oral/written and/or sketches

Legislation and official guidance

- 6 this relates to the operative's responsibilities regarding potential accidents and health hazards whilst working in the workplace, at height, with tools and equipment (including torches, boilers and gas supply), with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting

Maintenance

- 7 operative care of tools and ancillary equipment

Methods of work

- 8 application of knowledge for safe work practices, procedures and skills relating to the method/area of work and materials used to:
 - 8.1 set up and check gas supply and related equipment
 - 8.2 position and operate boilers
 - 8.3 prepare resources and materials for pour and roll
 - 8.4 prepare resources and materials for torch-on roofing
 - 8.5 prepare membranes and related materials
 - 8.6 use tools and equipment
 - 8.7 work at height from buildings
 - 8.8 use access equipment
 - 8.9 put out boiler fires
- 9 team work and communication
- 10 needs of other occupations associated with built up bituminous roofing

Personal protective equipment (PPE)

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

Problems

- 12 those arising from information, resources and methods of work
 - 12.1 own authority to rectify

Programme

- 13 agreed starting and finishing times

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 boilers, torches, bitumen, bituminous membranes, related materials and components, insulation, fire blankets
 - 15.2 tools and equipment
- 16 apply simple multiplication, subtraction, addition and division to occupational tasks

Security procedures

- 17 site, workplace, company and operative

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